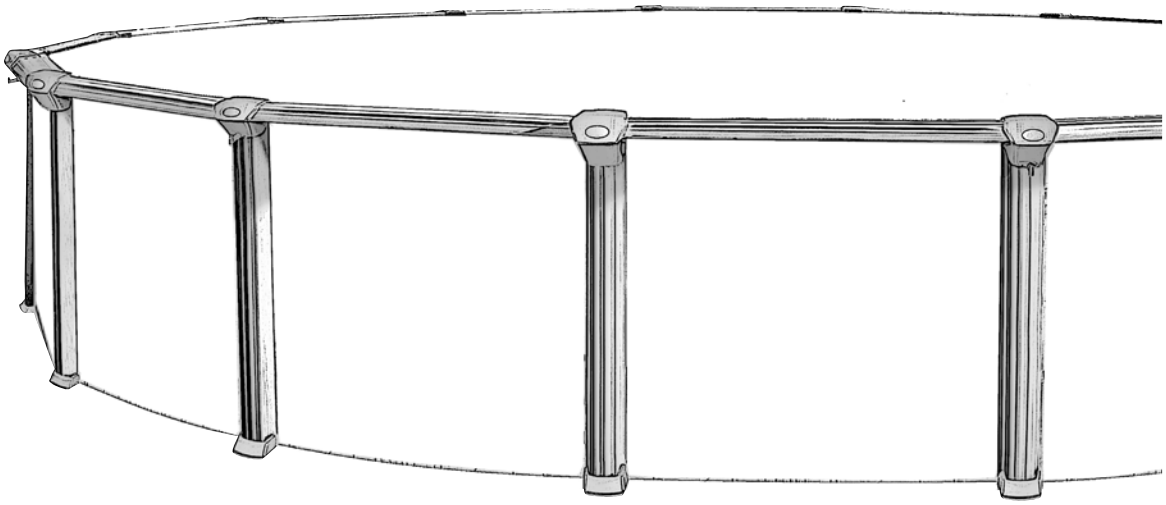
V35048

# INSTALLATION MANUAL - ROUND POOLS

**POOL MODEL -** AMBASSADOR
CENTURY
CORAL SEAS



02.13

# ABOVE GROUND POOL SAFETY
## PLEASE READ BEFORE INSTALLATION

**WARNING**

FAILURE TO HEED THESE WARNINGS CAN RESULT IN PERMANENT INJURY, PARALYSIS FROM A BROKEN NECK, ELECTROCUTION OR DROWNING.
THIS POOL IS NOT DESIGNED FOR DIVING OR JUMPING!
DANGEROUS INJURY CAN RESULT, SHALLOW WATER!

Your pool contains a large quantity of water, and is deep enough to present inherent dangers to life and health unless the following safety rules are strictly observed. First-time users run the highest risk of injury. Make sure everyone understands. To insure your pool is used safely you must observe the following safety precautions:

### 1. NO JUMPING OR DIVING
The top rail of your pool is not a walkway and must not be used for jumping or diving. Do not permit jumping or diving into the pool from a deck or the top rail of the pool. Diving or jumping into the pool can result in serious injury.

### 2. NEVER USE THE POOL ALONE
Never permit the pool to be used unless it is attended by at least one person other than the bather. Someone should always be available to lend assistance in an emergency.

### 3. NEVER LEAVE CHILDREN UNATTENDED
Never leave a child alone and unsupervised in or near the pool—not even for a second. There is no substitute for constant adult supervision.

### 4. NO ROUGH PLAY
Do not permit "rough-playin" in and around your pool. Surfaces can become slippery and hazardous when wet.

### 5. LIGHT THE POOL AT NIGHT
If the pool is used after dusk, adequate lighting must be provided. Illumination in the pool area must be sufficient to clearly judge pool depth and all features in and around the pool. For lighting recommendations, consult your local licensed electrical contractor

### 6. RESTRICT ACCESS TO THE POOL
Do not leave chairs or other furniture beside the pool that could be used by a child to climb up into the pool. Ladders must be removed whenever the pool is unattended. A fence with a lockable gate around the pool or yard is strongly recommended and may be required by law in some jurisdictions.

### 7. NO ALCOHOL OR DRUGS
Never drink alcoholic beverages or use any intoxicants which could hinder your judgment and reflexes.

### 8. KEEP YOUR POOL CLEAN AND SANITARY
Your filter system will remove suspended particles from the water and the surface skimmer will remove insects, leaves and other debris from the water surface. Use the correct pool chemicals as directed to destroy harmful bacteria and prevent formation of algae. Remember, unsanitary water is a serious health hazard.

### 9. KEEP OFF TOP LEDGES
Do not walk on top ledges. They can be slippery and they are not a walkway.

### 10. POOL COVER SAFETY
The cover must have a tamperproof locking retainer cable that positions the cover around the pool wall and keeps it securely in place. Never allow anyone, especially small children on the cover. Asphyxiation or drowning could result. When purchasing any pool cover, please consult a swimming pool professional.

### 11. ELECTRICAL HAZARD
Never touch or attempt to service electrical equipment, including the filter when your body and/or the ground is wet. Electrocution or permanent injury due to high voltage (120V AC) could result. The pool should be bonded in accordance with Section 680-26 of the National Electical Code. For further assistance contact your dealer or a local licensed electrician. Do not use pool during electrical or rain storms.

### 12. SAFETY ROPE & POLE
Keep a safety rope 1/4" by 50" with a flotation buoy with an outside diamter of 15". Have accessible in a prominent area by your pool. Keep a pole not less that 16 feet (4,88m) long with a blunt or hook end available at pool side in case of emergencies.

### 13. POOL CHEMICALS
Do not place chlorine, chlorine tablets or sticks directly into skimmer, or winterize your pool with liquid chlorine. Damage to the skimmer, pool liner and filter will result. Failure to obey this instruction will void all component warranties. Always follow Chemical Manufacturer's insturctions when storing, handling and dispensing pool chemicals.

### 14. CHECK FOR DAMAGE
Periodically check your pool and ladder components for damage and wear. Be sure all screws are in place. Replace all damaged or worn components and tighten all screws before you use the pool, deck or ladders. At first sign remove rust and touch up immediately.

### 15. POOL PARTS
Never modify the pool or accessories, or remove or drill holes in the pool, deck or ladder components unless instructed. Your pool wall is made of thin metal, there is an inherent cut hazard with metal so use gloves during installation. Always use Original Equipment Manufactured parts for your replacement parts.

### FOLLOW ALL SAFETY INSTRUCTIONS
Read and follow all safety instructions packaged with pool, ladder, deck or any other accessory. Additional pool safety publications can be obtained by contacting: The Association of Pool & Spa Professionals (www.apsp.org)

**REMEMBER**
**WATCH**
**CHILDREN**

**IMPORTANT NOTICE READ BEFORE INSTALLATION!**

The safety stickers must be installed as per following instructions. Failure to properly install warning labels will void warranty. Failure to mount these safety labels may subject you to substantial liability in case of injury. These warning are not to be removed under any circumstances! If they become discolored or fall off please request replacements which will be sent at no charge.

**PLACE SIGN ON LINER ABOVE WATER LINE, OPPOSITE ENTRY TO POOL**

**PLACE SIGN ON WALL NEXT TO POOL ENTRY**

R.10/12

# SECTION 1 General Instructions - Round Pools

# Ground Preparation

**Read all instructions completely before you begin.**

## A. Determine a Location for your Pool

**1. The Terrain**

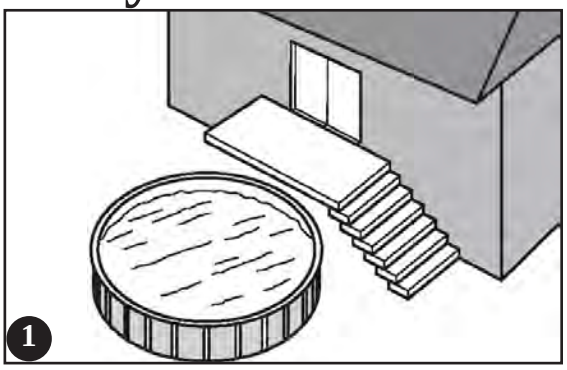
Pay special attention to choosing the right location for your pool:

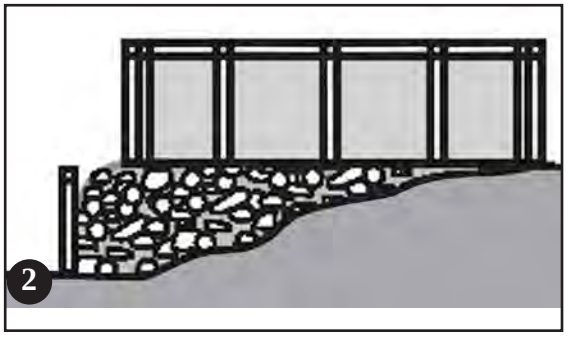
• Choose a large area, as flat and level as possible and well drained.

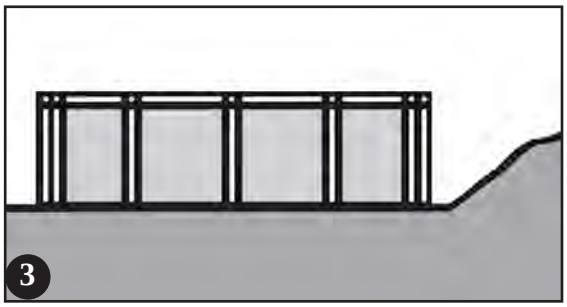
• Choose a spot on dry, firm earth—do not install the pool on concrete, asphalt, tar paper, sand, gravel, peat moss, wood or chemically treated soil.

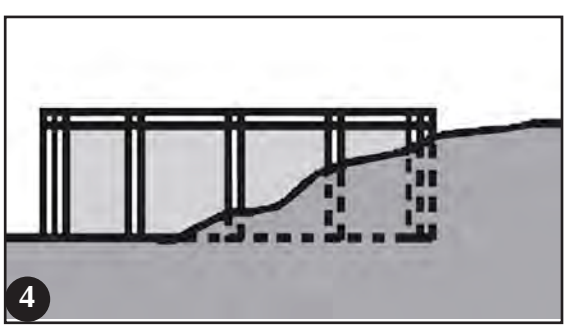
• Check with your pool dealer to see if Nut Grass grows in your area. This type of grass may grow up through your pool liner. Your dealer will be able to advise how best to treat the site.

•Sloped areas will need to be made level by digging away high spots, not by filling low spots—be prepared to hire earth-moving equipment if necessary.



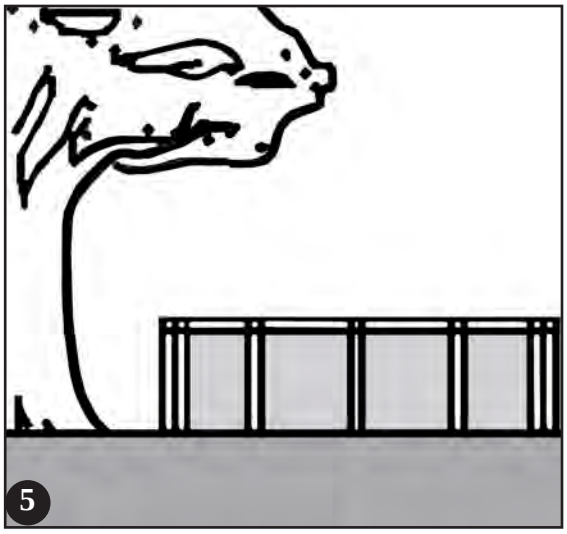

**Important Note:** Ground preparation is one of the most important steps in the installation process. A **proper foundation** will ensure the rest of the pool assembly goes smoothly and that no problems will occur when the pool is filled with water.

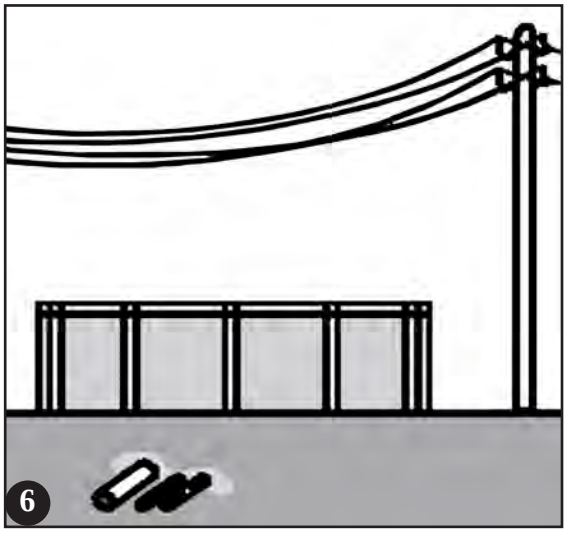
**Important:**
When locating the centre of the pool, **be sure** to take into consideration any structures (deck, patio, house) or relevant items (change rooms, gazebo, etc.) that the pool may need to line up with and ensure that the pool is in the most visual pleasing location for your property.

## 2. Things to Avoid

Do not locate your pool near or on any of the following:

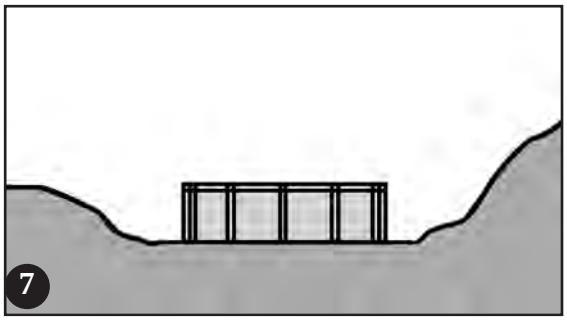
- Overhanging tree branches.
- Overhead wires and clotheslines.
- Buried pipes and wires-contact your gas, electric and telephone utilities to find buried pipes and wires before you dig.
- Hilly and uneven terrain.
- Areas with poor drainage.
- Grass, stones and roots. Grass will rot underneath the pool liner, and stones and roots will damage the pool liner.
- Areas recently treated with oil-based weed killers, chemicals or fertilizers.


5


6

## 3. Plan Ahead

- Will you be adding an adjacent deck later? Be sure to leave room.
- Will you be using pool accessories or other appliances that need electricity or gas? Locate your pool near these services or plan to have them installed later by a licensed contractor.


7

## 4. Tools Needed

Make sure you have the necessary tools and materials before beginning your installation:

- Shovel
- Hammer
- Tape Measure
- SprayPaint
- Screwdriver
- Level
- Straight wood plank
- Rake
- String & Stakes
- Duct tape
- Wheelbarrow
- Mallet
- Waterhose
- Compactor
- Vacuum cleaner
- Wrench
- Cement blocks (5cm x 20cm x 40cm / 2"x8"x16") (optional)
- Material that provides a permanent base (ex. crushed stone)
- Fine Sand (void of debris)
- 2 x Plywood (60cm x 120cm / 2ft x 4ft)
- Pool Carpeting (optional)
- Polyethlyne Plastic Sheeting
- Vinyl covered hooks to hold the wall steady

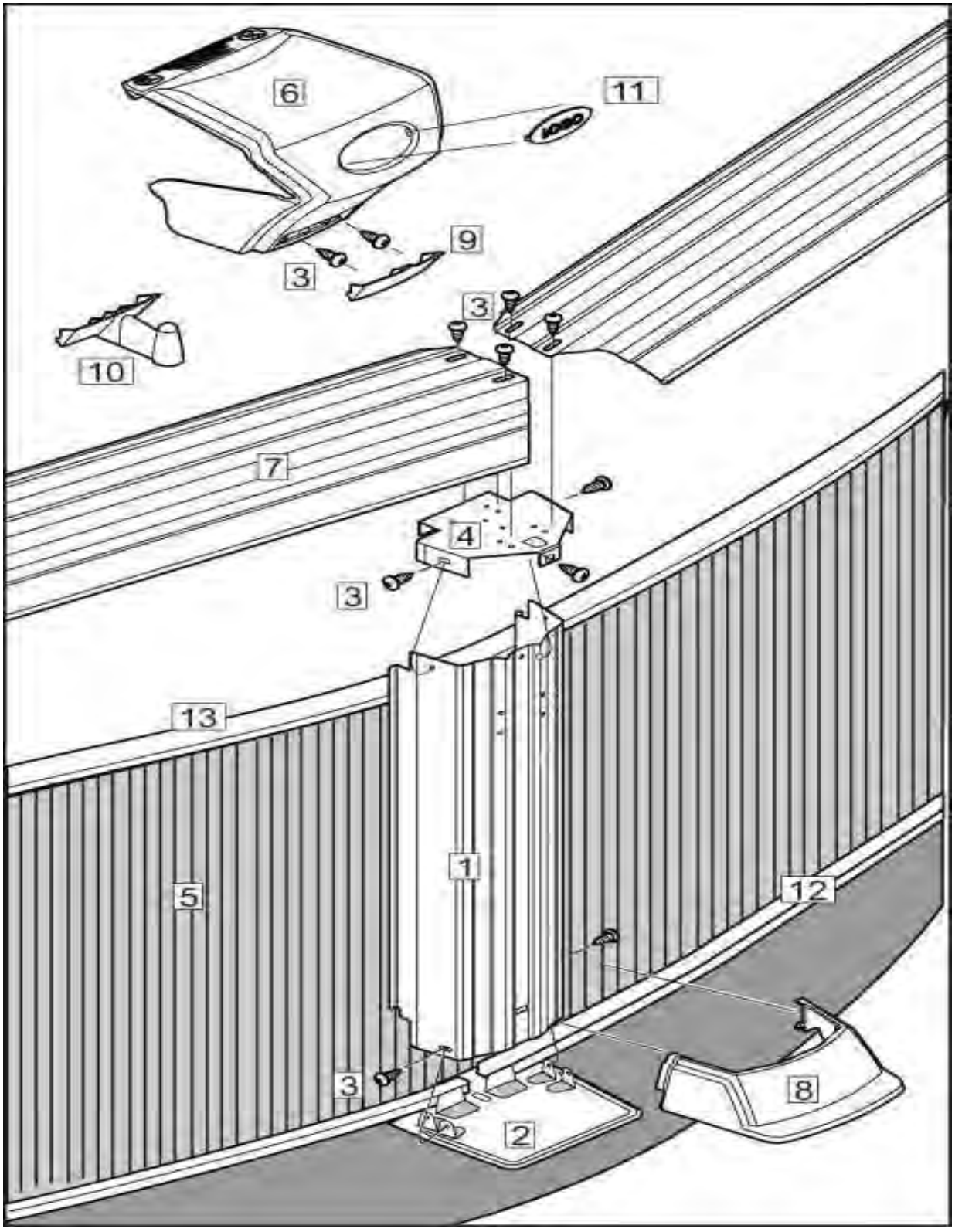
**PLEASE BE SURE TO FOLLOW THE CORRECT PARTS LISTING FOR YOUR POOL THAT MAY HAVE THE NAME;**

**Ambassador or;**
**Century or;**
**Coral Seas**

# PARTS LISTING - EXPLODED VIEW

**Ambassador Mist Grey STR**
**PAMB-52SSPSSI1**
**Round**

> ⚠ **Important Note:**
> Make sure you have all the parts necessary before you start installation.




*No Diving or Jumping.* *Observe all Safety Rules.*

# PARTS LISTING - CONTENT LIST

**Product Description:** **Ambassador Round** Revised Sept.2012

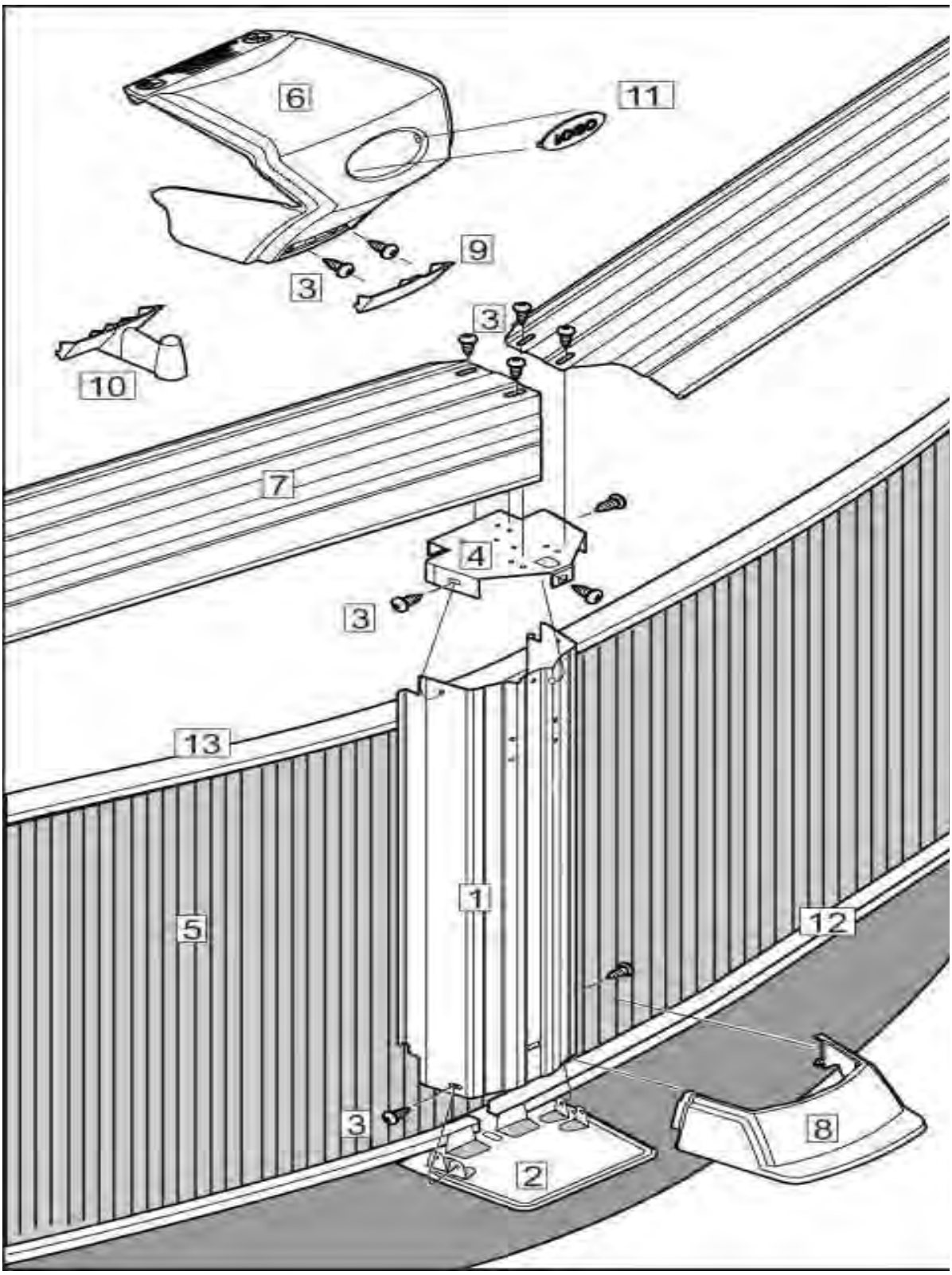
**Product Code:** **PAMB-52SSPSSI1**

| | | | | Quantity required for installation (by pool size) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **INDEX#** | **DESCRIPTION** | **PARTS#** | **LENGTH** | **12** | **15** | **18** | **21** | **24** | **27** | **30** |
| 12 | Bottom Rail - steel | 1254412 | | 10 | | | | | | |
| | | 1255615 | | | 10 | | | | | |
| | | 1255618 | | | | 12 | | | | |
| | | 1255621 | | | | | 14 | | | |
| | | 1255624 | | | | | | 16 | | |
| | | 1255627 | | | | | | | 18 | |
| | | 1255630 | | | | | | | | 20 |
| 13 | Slotted tube | 15325 | | 11 | | | | | | |
| | | 15335 | | | 11 | | | | | |
| | | 15340 | | | | 13 | | | | |
| | | 15350 | | | | | 15 | | | |
| | | 15355 | | | | | | 18 | | |
| | | 15360 | | | | | | | 20 | |
| | | 19072 | | | | | | | | 23 |
| n/a | Flat Coping | 10296 | | 12 | 12 | 14 | 16 | 19 | 21 | 24 |
| 2 | Bottom Plate - steel | 1320195 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 4 | Top Plate -steel | 1320178 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 6 | Top Ledge Cover | 1490577 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 8 | Foot cover | 1490578 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 9 | Cover plug for ledge cover | 1490579 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 10 | Cover Hook (Optional) | 1490580 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 11 | Logo Insert (pack of 4) | 1490576 | | 3 | 3 | 3 | 4 | 4 | 5 | 5 |
| n/a | DVD | 36877 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3 | Hardware Pack (Qty. - 29) | 1184298 | | | | 1 | 1 | 1 | | |
| | Hardware Pack (Qty. - 59) | 1184299 | | 2 | 2 | 2 | 1 | 1 | 1 | |
| | Hardware Pack (Qty. - 77) | 1184300 | | | | | 1 | | 2 | 3 |
| | Hardware Pack (Qty. - 95) | 1184301 | | | | | | 1 | | |
| n/a | Wall Hardware - 48/52/54" | 10608 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7 | Top Ledge | 1450803 | | 10 | | | | | | |
| | Top Ledge | 1450804 | | | 10 | 12 | 14 | 16 | 18 | 20 |
| 1 | Upright | 1440503 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| | Wall | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Wall joiner bar | 11823 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

# PARTS LISTING - EXPLODED VIEW

**Century STR**
**PCEN-52SSSTSSIB1**
**Round**

**Important Note:**
Make sure you have all the parts necessary before you start installation.




*No Diving or Jumping.* *Observe all Safety Rules.*

# PARTS LISTING - CONTENT LIST

**Product Description:** **Century Round** Revised Sept.2012
**Product Code:** **PCEN-52SSSTSSIB1**

| | | | | Quantity required for installation (by pool size) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **INDEX#** | **DESCRIPTION** | **PARTS#** | **LENGTH** | **12** | **15** | **18** | **21** | **24** | **27** | **30** |
| 12,00 | Bottom Rail - steel | 1254412 | | 10 | | | | | | |
| | | 1255615 | | | 10 | | | | | |
| | | 1255618 | | | | 12 | | | | |
| | | 1255621 | | | | | 14 | | | |
| | | 1255624 | | | | | | 16 | | |
| | | 1255627 | | | | | | | 18 | |
| | | 1255630 | | | | | | | | 20 |
| 13 | Slotted tube | 1470096 | | 10 | | | | | | |
| | | 1470097 | | | 10 | | | | | |
| | | 1470098 | | | | 12 | | | | |
| | | 1470099 | | | | | 14 | | | |
| | | 1470100 | | | | | | 16 | | |
| | | 1470101 | | | | | | | 18 | |
| | | 1470102 | | | | | | | | 20 |
| | | 1470103 | | | | | | | | |
| n/a | Slotted tube Connector | 1470108 | 6'' | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| n/a | Round Coping | 1382480 | 47'' | 10 | 13 | 15 | 17 | 20 | 22 | 25 |
| 2 | Bottom Plate - steel | 1320195 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 4 | Top Plate -steel | 1320178 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 7 | Top Ledge | 1450795 | | 10 | | | | | | |
| | | 1450796 | | | 10 | 12 | 14 | 16 | 18 | 20 |
| n/a | DVD | 36877 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | Ledge Cover - 1 Piece | 1490586 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 8 | Foot cover | 1490587 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 9 | Cover plug | 1490588 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 10 | Cover Hook (Optional) | 1490589 | | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 11 | Logo Insert (pack of 4) | 1490573 | | 3 | 3 | 3 | 4 | 4 | 5 | 5 |
| 1 | Upright | 1440501 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | Hardware Pack (Qty. - 29) | 1184298 | | | | 1 | 1 | 1 | | |
| | Hardware Pack (Qty. - 59) | 1184299 | | 2 | 2 | 2 | 1 | 1 | 1 | |
| | Hardware Pack (Qty. - 77) | 1184300 | | | | | 1 | | 2 | 3 |
| | Hardware Pack (Qty. - 95) | 1184301 | | | | | | 1 | | |
| 5 | Wall | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Wall joiner bar | 11823 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

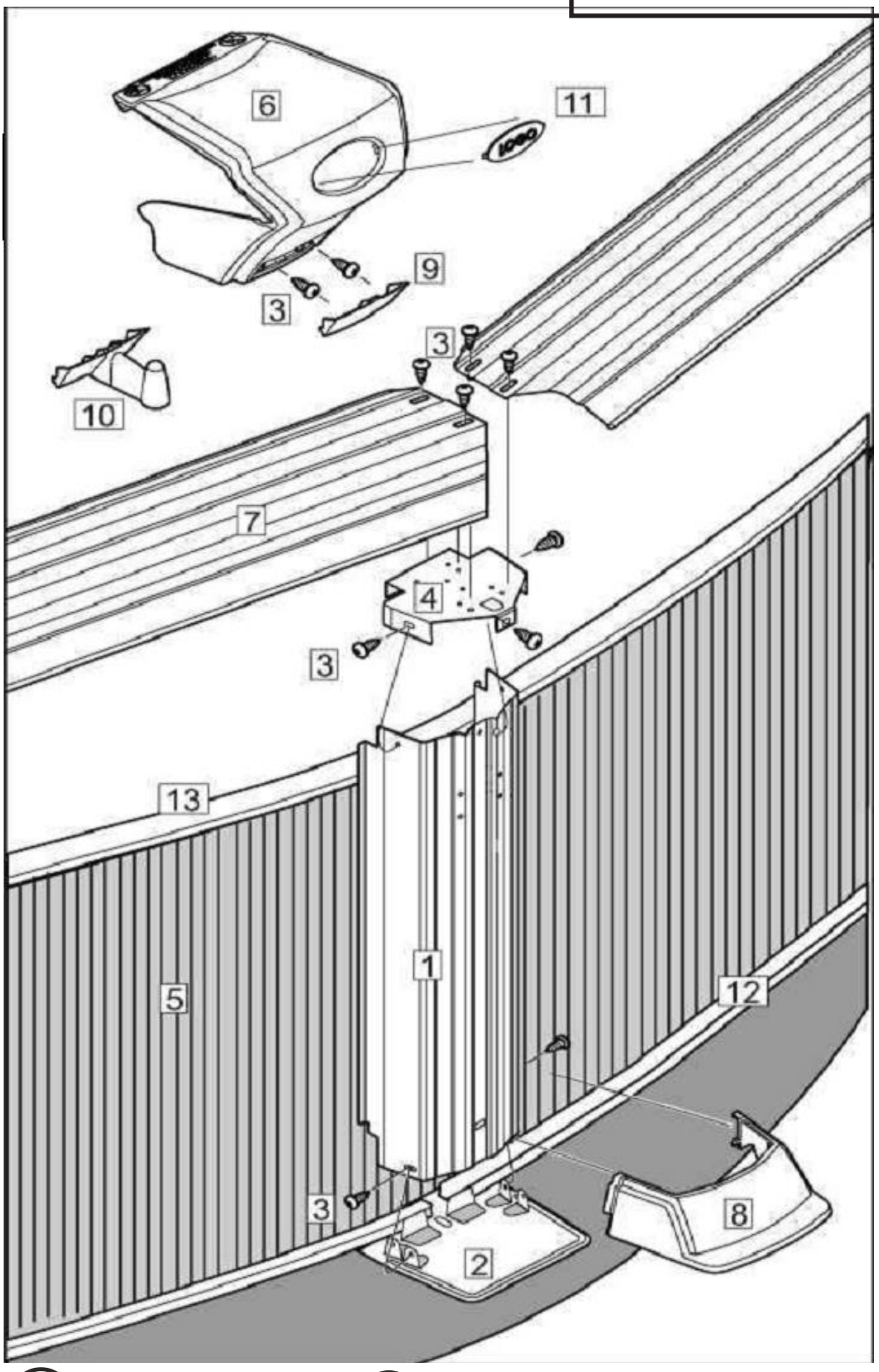
**NOTE: IF POOL IS EQUIPPED WITH RESIN BOTTOM RAILS, THEN USE THE FOLLOWING ITEMS INSTEAD OF THE STEEL BOTTOM RAILS AND STEEL BASE PLATES SHOWN ABOVE.**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Bottom Rail - resin | 1324315 | | 10 | | | | | | |
| | | 1325515 | | | 10 | 12 | | | | |
| | | 1325524 | | | | | 14 | 16 | 18 | |
| | | 1325530 | | | | | | | | 20 |
| 2 | Bottom Plate - resin | 1320192 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |

# PARTS LISTING - EXPLODED VIEW

**Century STR**
**PCEN-52SSATSSIB1**
**Round**

**Important Note:**
Make sure you have all the parts necessary before you start installation.




*No Diving or Jumping.* *Observe all Safety Rules.*

# PARTS LISTING - CONTENT LIST

**Product Description:** **Century Round** Revised: Sept 2012
**Product Code:** **PCEN-52SSATSSIB1**

| | | | | Quantity required for installation ( by pool size) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **INDEX#** | **DESCRIPTION** | **PARTS#** | **LENGTH** | **12** | **15** | **18** | **21** | **24** | **27** | **30** |
| 12 | Bottom Rail - Steel | 1254412 | | 10 | | | | | | |
| | | 1255615 | | | 10 | | | | | |
| | | 1255618 | | | | 12 | | | | |
| | | 1255621 | | | | | 14 | | | |
| | | 1255624 | | | | | | 16 | | |
| | | 1255627 | | | | | | | 18 | |
| | | 1255630 | | | | | | | | 20 |
| 13 | Slotted tube | 1470096 | | 10 | | | | | | |
| | | 1470097 | | | 10 | | | | | |
| | | 1470098 | | | | 12 | | | | |
| | | 1470099 | | | | | 14 | | | |
| | | 1470100 | | | | | | 16 | | |
| | | 1470101 | | | | | | | 18 | |
| | | 1470102 | | | | | | | | 20 |
| | | 1470103 | | | | | | | | |
| | Slotted tube Connector | 1470108 | 6'' | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| | Round Coping | 1382480 | 47'' | 10 | 13 | 15 | 17 | 20 | 22 | 25 |
| 2 | Bottom Plate - Steel | 1320195 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 4 | Top Plate - Steel | 1320178 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 7 | Top Ledge | 1450795 | | 10 | | | | | | |
| | Top Ledge | 1450796 | | | 10 | 12 | 14 | 16 | 18 | 20 |
| | DVD | 36877 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | Ledge Cover - 1 Piece | 1490586 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 8 | Foot Cover | 1490587 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 9 | Cover Plug for ledge cover | 1490588 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 10 | Cover Hook (Optional) | 1490589 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 11 | Logo Insert (Pack of 4) | 1490573 | | 3 | 3 | 3 | 4 | 4 | 5 | 5 |
| 1 | Upright | 1440501 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | Hardware Pack (Qty. - 29) | 1184298 | | | | 1 | 1 | 1 | | |
| | Hardware Pack (Qty. - 59) | 1184299 | | 2 | 2 | 2 | 1 | 1 | 1 | |
| | Hardware Pack (Qty. 77) | 1184300 | | | | | 1 | | 2 | 3 |
| | Hadware Pack (Qty. - 95) | 1184301 | | | | | 1 | | | |
| | Wall | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Wall Bar | 11823 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

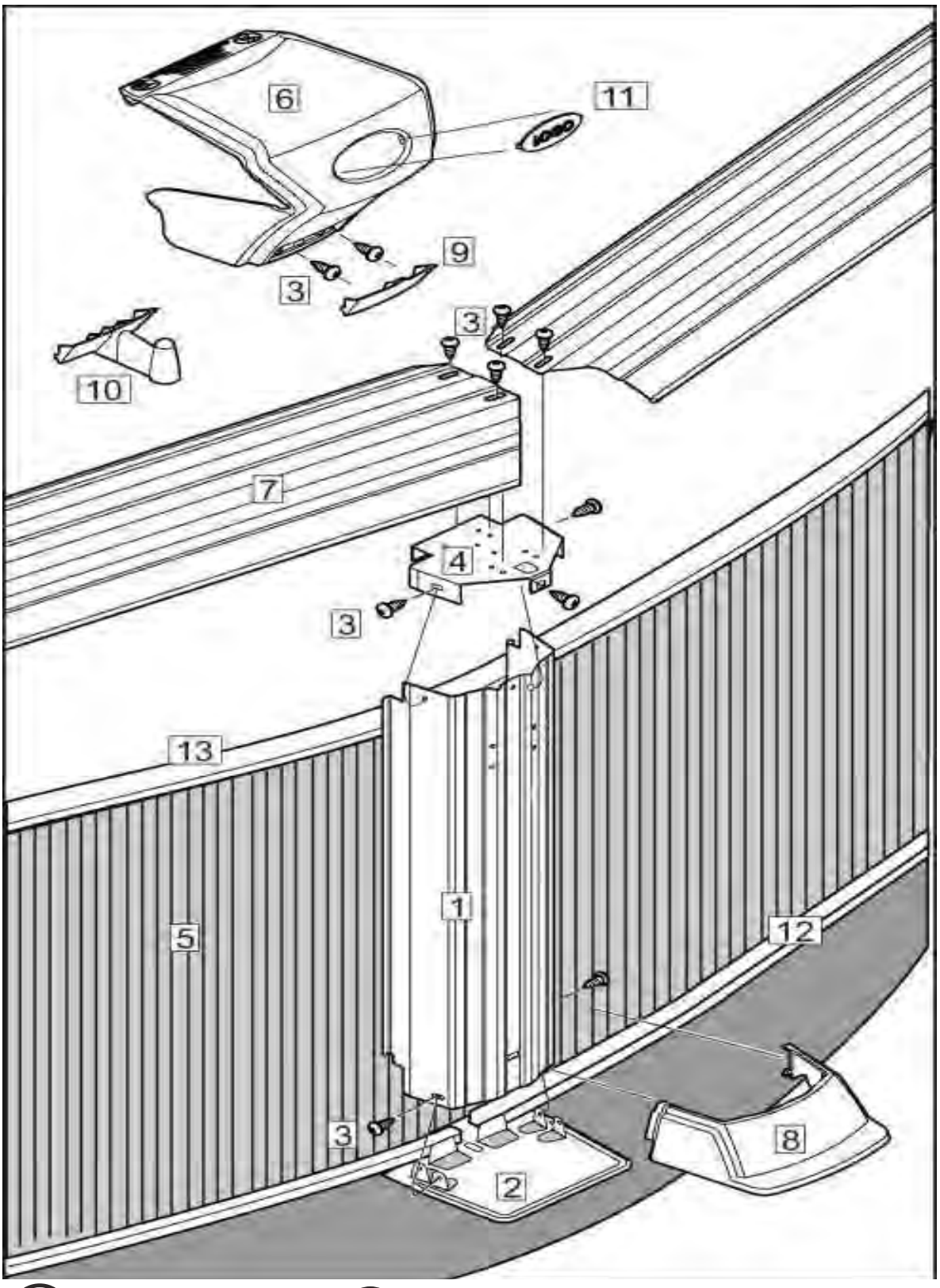
**NOTE: IF POOL IS EQUIPED WITH ALUMINUM BOTTOM RAILS, THEN USE THE FOLLOWING ITEMS INSTEAD OF THE STEEL BOTTOM RAILS SHOWN ABOVE. Aluminum rails can also be used for the top Slotted tube bar - see Key #13**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Bottom Rail - ALUMINUM | ALU1254412 | | 10 | | | | | | |
| | | ALU1255615 | | | 10 | | | | | |
| | | ALU1255618 | | | | 12 | | | | |
| | | ALU1255621 | | | | | 14 | | | |
| | | ALU1255624 | | | | | | 16 | | |
| | | ALU1255627 | | | | | | | 18 | |
| | | ALU1255630 | | | | | | | | 20 |

# PARTS LISTING - EXPLODED VIEW

**Coral Seas STR**
**PCOR-52SSSTSSIB1**
**Round**

**Important Note:**
Make sure you have all the parts necessary before you start installation.




*No Diving or Jumping.* *Observe all Safety Rules.*

# PARTS LISTING - CONTENT LIST

**Product Description:** **Coral Seas Round**
**Product Code:** **PCOR-52SSSTSSIB1**

Revised Sept.2012

| | | | | Quantity required for installation (by pool size) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **INDEX#** | **DESCRIPTION** | **PARTS#** | **LENGTH** | **12** | **15** | **18** | **21** | **24** | **27** | **30** |
| 12 | Bottom Rail - steel | 1254412 | | 10 | | | | | | |
| | | 1255615 | | | 10 | | | | | |
| | | 1255618 | | | | 12 | | | | |
| | | 1255621 | | | | | 14 | | | |
| | | 1255624 | | | | | | 16 | | |
| | | 1255627 | | | | | | | 18 | |
| | | 1255630 | | | | | | | | 20 |
| 13 | Slotted tube | 1470096 | | 10 | | | | | | |
| | | 1470097 | | | 10 | | | | | |
| | | 1470098 | | | | 12 | | | | |
| | | 1470099 | | | | | 14 | | | |
| | | 1470100 | | | | | | 16 | | |
| | | 1470101 | | | | | | | 18 | |
| | | 1470102 | | | | | | | | 20 |
| | | 1470103 | | | | | | | | |
| n/a | Slotted tube Connector | 1470108 | 6'' | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| n/a | Round Coping | 1382480 | 47'' | 10 | 13 | 15 | 17 | 20 | 22 | 25 |
| 2 | Bottom Plate - steel | 1320195 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 4 | Top Plate -steel | 1320178 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 7 | Top Ledge | 1450795 | | 10 | | | | | | |
| | | 1450796 | | | 10 | 12 | 14 | 16 | 18 | 20 |
| n/a | DVD | 36877 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6 | Ledge Cover - 1 Piece | 1490586 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 8 | Foot cover | 1490587 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 9 | Cover plug | 1490588 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 10 | Cover Hook (Optional) | 1490589 | | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 11 | Logo Insert (pack of 4) | 1490573 | | 3 | 3 | 3 | 4 | 4 | 5 | 5 |
| 1 | Upright | 1440501 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | Hardware Pack (Qty. - 29) | 1184298 | | | | 1 | 1 | 1 | | |
| | Hardware Pack (Qty. - 59) | 1184299 | | 2 | 2 | 2 | 1 | 1 | 1 | |
| | Hardware Pack (Qty. - 77) | 1184300 | | | | | 1 | | 2 | 3 |
| | Hardware Pack (Qty. - 95) | 1184301 | | | | | | 1 | | |
| | Wall | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | Wall joiner bar | 11823 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

**NOTE: IF POOL IS EQUIPPED WITH RESIN BOTTOM RAILS, THEN USE THE FOLLOWING ITEMS INSTEAD OF THE STEEL BOTTOM RAILS AND STEEL BASE PLATES SHOWN ABOVE.**

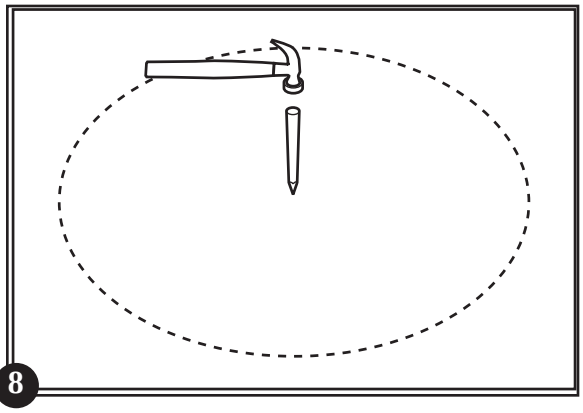
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | Bottom Rail - resin | 1324315 | | 10 | | | | | | |
| | | 1325515 | | | 10 | 12 | | | | |
| | | 1325524 | | | | | 14 | 16 | 18 | |
| | | 1325530 | | | | | | | | 20 |
| 2 | Bottom Plate - resin | 1320192 | | 10 | 10 | 12 | 14 | 16 | 18 | 20 |

# C. Prepare the Foundation of your Pool

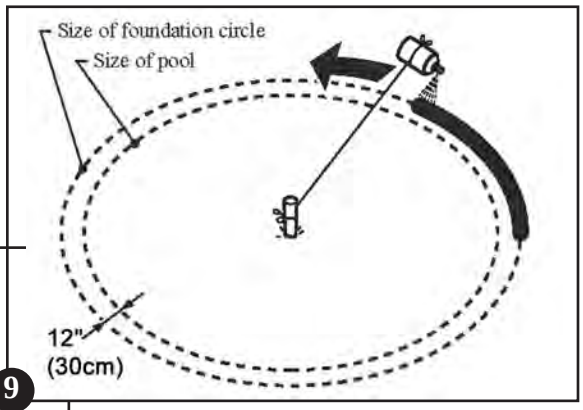
**1. Mark out the Area**

a. Drive a peg into the ground at the **centre** of the area where you want your pool.

b. Use a length of string tied between the peg and a can of spray paint, and mark a circle on the ground. Choose the length of string you need for your pool from the chart below. The circle will be 6" (30 cm) bigger all round than the pool.



8



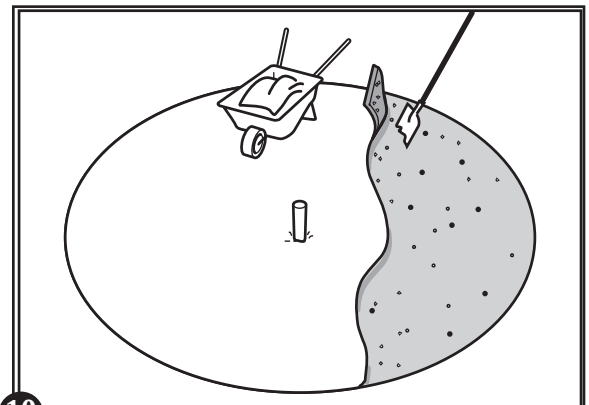

9

| Pool Size | Length of string | Length of plank *2-by-4 (5cm x 10cm)* |
|---|---|---|
| 12' (3,66m) | 6'-6" (200cm) | 6'-6" (200cm) |
| 15' (4,57m) | 8'-0" (244cm) | 8'-0" (244cm) |
| 18' (5,49m) | 9'-6" (290cm) | 9'-6" (290cm) |
| 21' (6,40m) | 11'-0" (335cm) | 11'-0" (335cm) |
| 24' (7,32m) | 12'-6" (380cm) | 12'-6" (380cm) |
| 27' (8,23m) | 14'-0" (426cm) | 14'-0" (426cm) |

**2. Remove the Sod**

a. Remove all sod and plants from the circle.

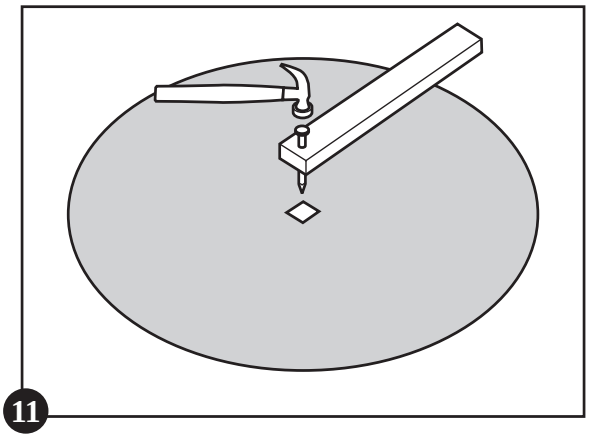
b. Remove any sticks, stones and roots from the circle.



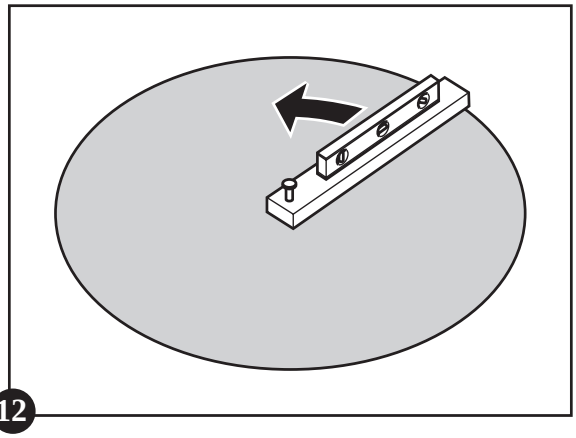
10

### 3. Make the Area Flat and Level

a. Replace the centre peg with a flat-topped stake, at least 1" (25 mm) square and 6" (15 cm) long. Drive it down flush with the ground surface.



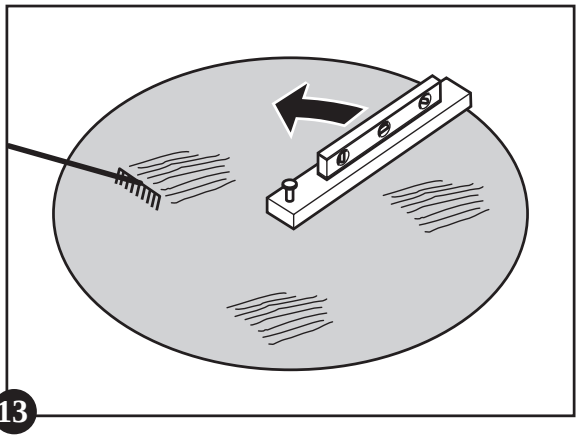

b. Nail one end of a **straight** 2-by-4 to the top of the stake. Choose the length of 2-by-4 you need for your pool from the chart above. Use a nail long enough to hold the end of the 2-by-4 to the stake while you rotate it in a circle.




c. Put a carpenter's level on the 2-by-4 and swing the board in a circle to find the high and low spots.

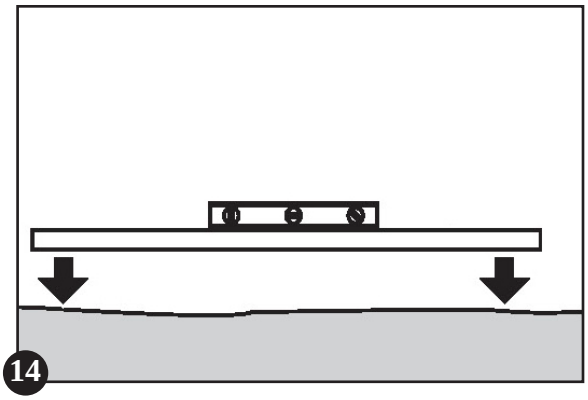
**Remember:**
Your pool must be perfectly level. Take the time you need to be sure your foundation is perfectly level.

d. Remove all the high spots with a shovel, hoe or rake.

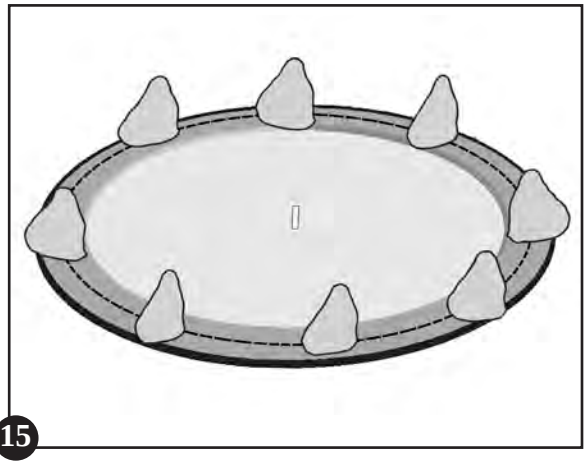



e. Be prepared to hire earth moving equipment if you need to level a large area. Remember, your pool must be level across the diameter of the pool.

**Hint:**
Use a surveyor's transit instead of a carpenter's level, if one is available.



f. Small dips and hollows may be filled in, but the soil must be hard-packed and well compacted with a **tamping tool.**

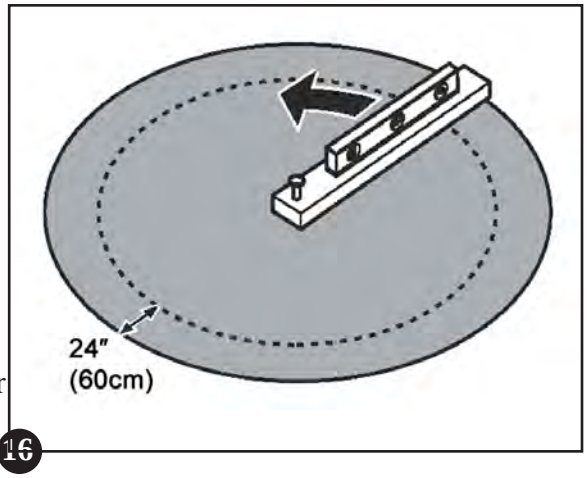

15

g. Take material such as rock dust or fine mortar that can conform a solid, permanent base and deposit this material around the rim of the basin. The material used should be spread around the perimeter of the pool to a width of 24" (60cm) and a thickness of 2" (5cm).

NOTE: Bottom rails will be placed in the center of the perimeter of the pool, see dashed line. (Image 15)

**Important:**
The out 24" (60cm) of the circle must be perfectly flat. the bottom edge of the pool must rest flat on the ground and have no gaps under it. Take the time you need to be sure this area is perfectly flat and level.

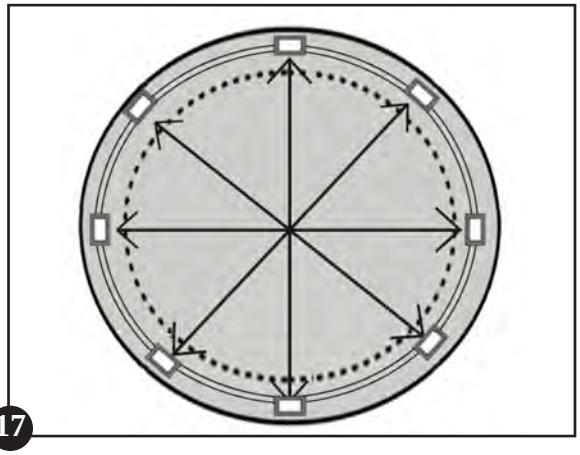
h. Recheck the outer circle where the pool wall will be. Make sure there are no high or low spots. The bottom edge of the pool wall **must** rest flat on the ground and have no gaps under it.



16

i. Go over the entire perimter of the pool to ensure that at every 3" the surface is completely level.

j. Lay out the bottom rails and bottom plates around the circle.


17

k. Check out the roundness of your circle, by measuring the diameter across in several locations. Since the bottom rails do not automatically form a true circle. **DO NOT SKIP THIS STEP!** Otherwise you might end up with a slightly oval shape, which can cause problems later on.

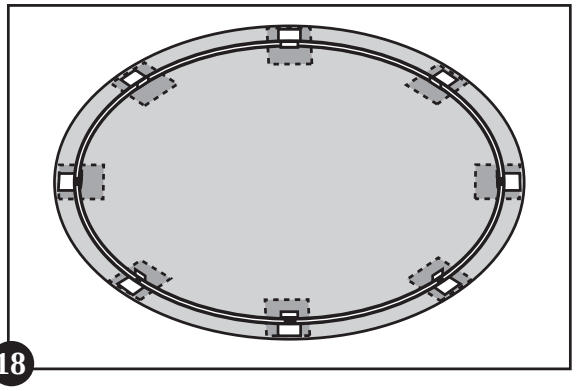
l. Verify the height of each bottom plate with an optical level. They have to be at the same height. Adjust height if necessary.

**4. Patio Stones (Optional)**

a. Concrete patio stones may be placed at the base of each vertical column (upright) of your pool. Choose the number of patio stones you need for your pool from the chart below.

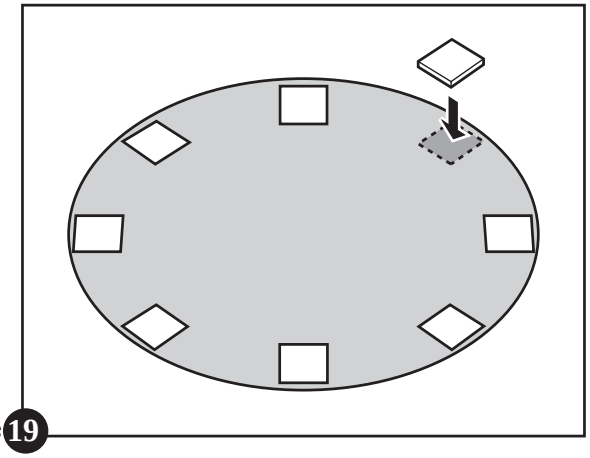
| Pool Size | Number of Patio Stones (Optional) |
|---|---|
| 12’ | 10 |
| 15’ | 10 |
| 18’ | 12 |
| 21’ | 14 |
| 24’ | 16 |
| 27’ | 18 |

b. Temporarily lay out the bottom rails and bottom plates around the circle. Each bottom plate will show the location for a patio stone. Make a mark in the ground at each bottom plate.

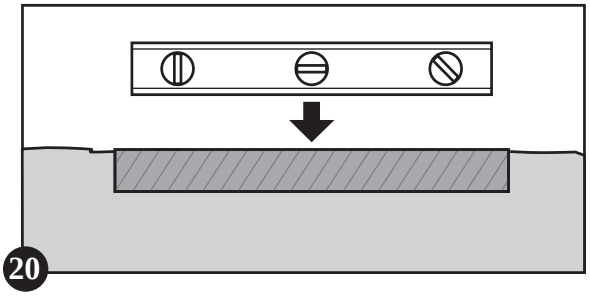

18

c. Remove the bottom rails and bottom plates and lay out the patio stones around the circle where the bottom plates were.

d. The patio stones must be sunk into the ground so the tops are flush with the soil around them. Use the carpenter’s level to make sure the patio stones are perfectly level and flush with the ground. Use either the carpenter’s level and a 2-by-4 (5cm x 10cm) wood plank, or the optical level between patio stones to make sure the stones are level with each other.


19

e. Do not install blocks or rails on loose sifted soil or sand. There must be no space between the ground and the bottom of the rails. All patio blocks must be flush with the ground, solid and level with each other in all directions.


20

f. Remove the centre stake and 2-by-4.

**Remember:**
The outer 12” (30 cm) of the circle must be perfectly flat. The bottom edge of the pool **must** rest flat on the ground and have no gaps under it. Take the time you need to be sure this area is perfectly flat and level.

**5. Proceed to Section 2**
Assembling the pool base.

## ROUND FOOTPRINT - ALL SIZES


Actual PSize
Upright
Bottom tracks length: 12'=44-7/8", 15'=55-7/8", 18'=55-7/8", 21'=55-3/4", 24'=56-1/8",27'=55-11/16", 30'=56",33'=56"
Gap between Bottom Wall Channels

ROUND POOL CHART

| Pool Name | 12' | 15' | 18' | 21' | 24' | 27' | 30' | 33' |
|---|---|---|---|---|---|---|---|---|
| Actual Size | 12' | 15' | 18' | 21' | 24' | 27' | 30' | 33' |
| Uprights | 10 | 10 | 12 | 14 | 16 | 18 | 20 | 22 |
| Rails & Stabilizer | 20 | 20 | 24 | 28 | 32 | 36 | 40 | 44 |
| Radius of Rails | 6' | 7.5' | 9' | 10.5' | 12' | 13.5' | 15' | 15' |
| Gap B/T Rails | 1/4 | 5/8 | 3/4 | 7/8 | 1/2 | 7/8 | 5/8 | 1/2 |
| Wall Perimeter | 451 | 565 | 679 | 792 | 905 | 1018 | 1132 | 1244 |
| Wall Length | 452 | 566 | 680 | 793 | 906 | 1019 | 1133 | 1245 |

Notes:
1. All dimensions are in inches unless otherwise specified.
2. All dimensions are referenced from the wall location.
3. Manufacturers tolerances and field condition may result in dimensional variations.

SECTION 2

Pool Component Installation Manual

# Assembling the Pool Base

## A. Assemble your Pool Base

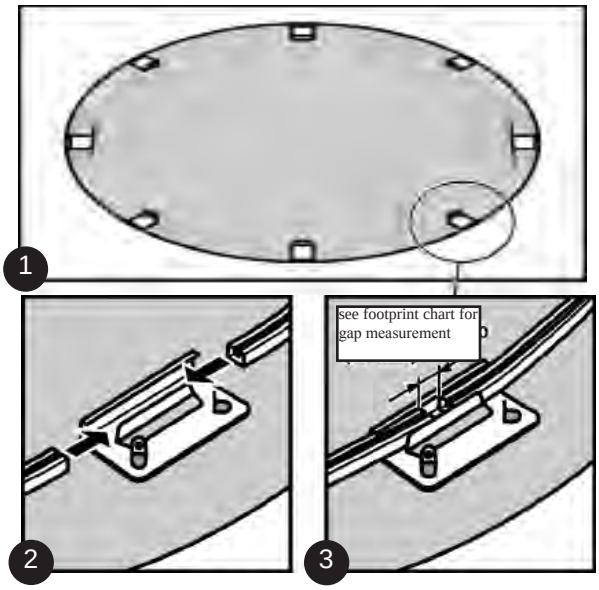
**NOTE:**
If you want, in-stead of using pa-tio stones you can make crushed lime-stone pads. Dig a 12" x 12" (30 x 30 cm) square hole 2" (5 cm) deep and fill the hole with sta-bilizer, packing it down hard. Spray with wa-ter as you pack it down. .

**1. Lay out the Base Plates and Bottom Rails**

a. Place the base plates equally spaced around the perimeter of your foun-dation. If you are using the optional patio stones, place one base plate on each stone..

b. Slide the curved bottom rails together with the base plates. Leave a 1/2" (13mm) gap between the ends of the bottom rails.

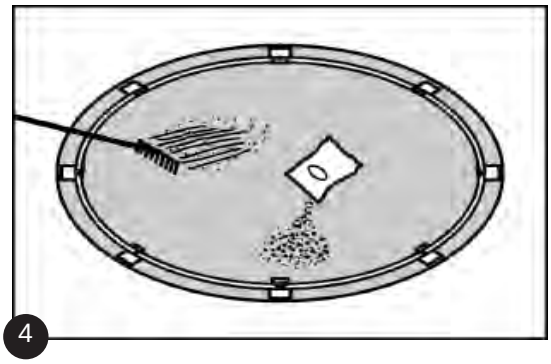
NOTE: Please refer to your pool's footprint (See Section 1, last page) for the gap measurement for your pool size.




**HINT:**
Bend the first 1/8" (3 mm) of the end of the bottom rail slightly with a pair of pliers to make sure the rail doesn't slide out of the base plate when the pool wall is installed..

**2. Spread out Brick Sand/Stabilizer**

a. Spread a layer of fine brick sand (no pebbles) over the foundation area, 2" (5cm) deep. Use a rake to make the brick sand flat and smooth..




**REMEMBER:**
Spread stabilizer out over the entire pool foundation area inside the base rails. This pro-vides a protective surface for the pool liner to rest on.

*No Diving or Jumping.*
*Observe all Safety Rules.*

SECTION 3

Pool Component Installation Manual

# Assembling the Pool Wall & Liner

## A. Assemble your Pool Wall

Do not attempt to install the pool wall in the wind, wait for a calm day.

It takes at least 3 people to install the pool wall.

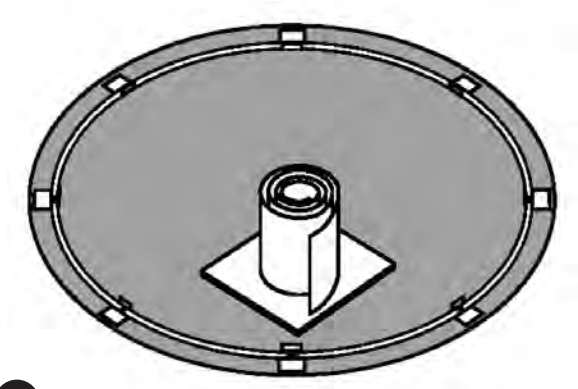
**Hint:**
Bring the following items into the middle of the pool foundation before you start uncoiling the pool wall: plywood, some extra sand or fine dirt to make the cove and a ladder to climb out after the wall is assembled..

**Caution:**
**Do not** attempt to install the pool wall in the wind. Wait for a calm day.

**1. Preparing for the wall installation**

a. Make sure the skimmer and water return holes are located where you need them to be. The skimmer and water return holes are positioned towards the end of the wall, (the section before where the wall started).

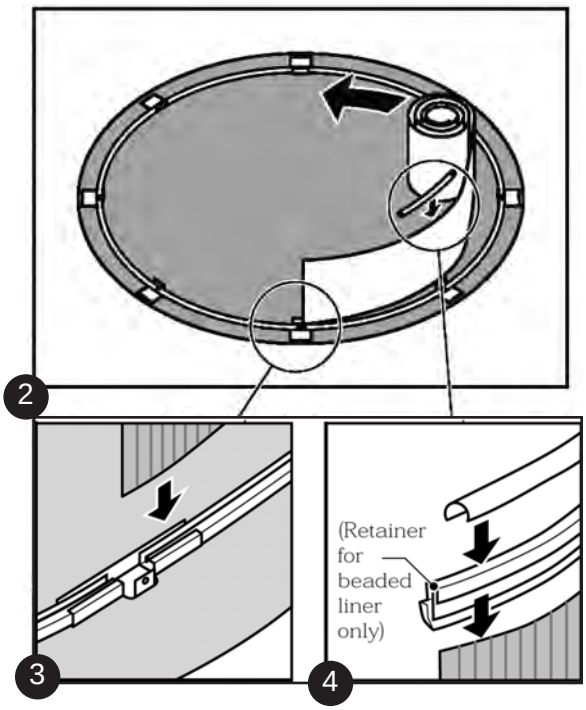
b. Unpackage the coiled pool wall and stand it on the plywood at the place close to where you need to install the skimmer. (Remember the skimmer and water return holes will be placed at the section just before where you started the wall installation).



1

c. Start uncoiling the wall, guiding the bottom edge into the curved bottom rail. The starting end of the wall **must** be positioned **over a base plate**, and the skimmer and return holes should be positioned where the pump and filter will be.

d. Set lengths of the omega stabilizer onto the top edge of the wall as you uncoil it and join the omega stabilizer with connectors as you go, leaving a 1/2" (13 mm) gap between each. **Make sure** the gap is directly above the base plate (If you have a **beaded pool liner,** set lengths of **liner retainer** on the top edge of the wall first, then the omega stabilizer and connectors.)




2 3 4

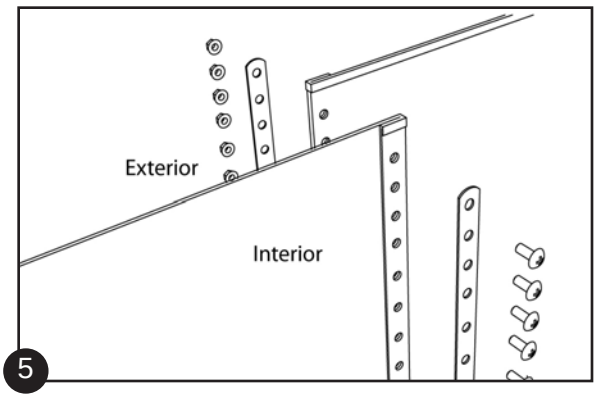
**Hint:**
Secure the slotted tube connector to the wall with a piece of duct tape after installation to prevent it from lifting off the wall.

e. Work around the foundation until the entire pool wall is uncoiled into the bottom rails and the top edge is covered with the omega stabilizer and connectors (and beaded liner retainers if you have a beaded pool liner).

**Hint:**
Stick a screwdriver through two of the holes to help line up the ends of the wall.

## 2. Join the Ends of the Pool Wall

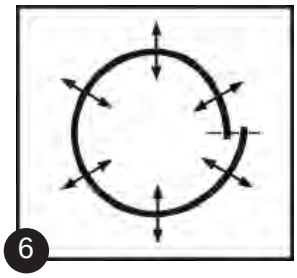
a. Line up the holes in the two ends of the pool wall.



5

b. To line up the holes, make the circle bigger or smaller by nudging the bottom plates in or out with your foot.

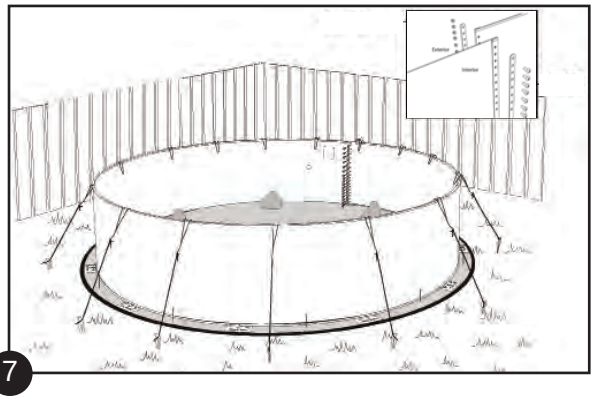
You **MUST** recheck the gaps at each and every one of the bottom rails so that they are all equal in gap size.


6

**Remember:**
The bolt heads must be toward the inside of the pool. Cover the bolt heads with duct tape.

c. To fasten the wall joint, overlap the two steel bars, one on the inside and the other on the outside. Tighten the mechanical screws on the inside and the nuts on the outside.

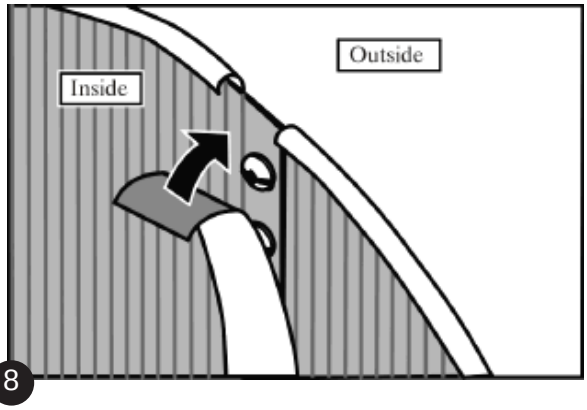
**NOTE:** When tightening the screws start from either the top and go down or vice versa. do not start a few screws from top and a few from the bottom to meet in the middle, this can cause problems later on.


7

**Important:**
Bottom rails must always be held in place by the bottom plate.

d. Ensure that all bolts and all the holes are used.

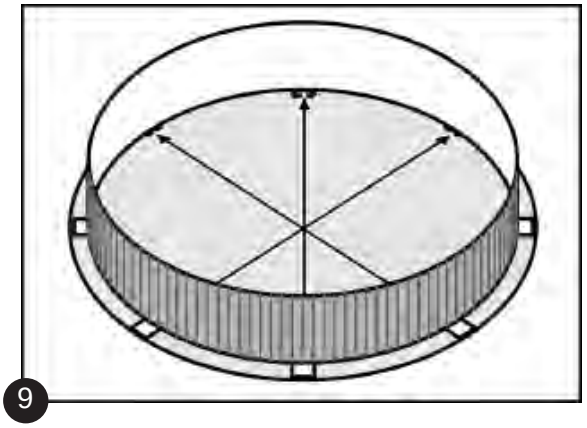
e. Cover the seam and bolt heads on the inside of the pool wall completely with three layers of 2" (50mm) duct tape.



8

### 3. Make sure the Pool Wall is Round

a. Using a tape measure, measure across the circle at each base plate. The pool wall **must** be round within 1" (25 mm) (all of the measurements must be within 1" (25 mm) of each other). Adjust the circle by nudging the base plates in or out with your foot.



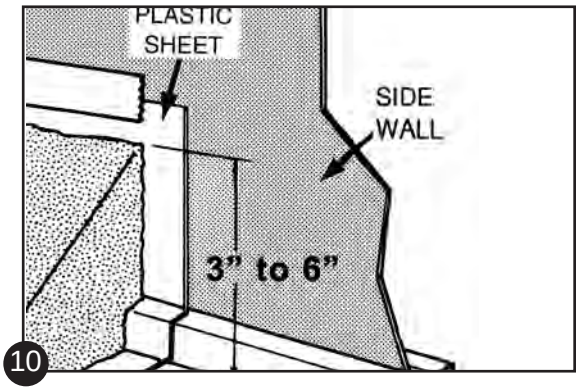
9

b. Adjusting the pool to the proper shape may cause the bottom rails and base plates to slip out of alignment a little. Recheck all of the base plates to make sure each one is centred where the base rails meet

**Caution:**
The pool **must** be level across the perimeter. A pool that is not level is dangerous and may collapse.

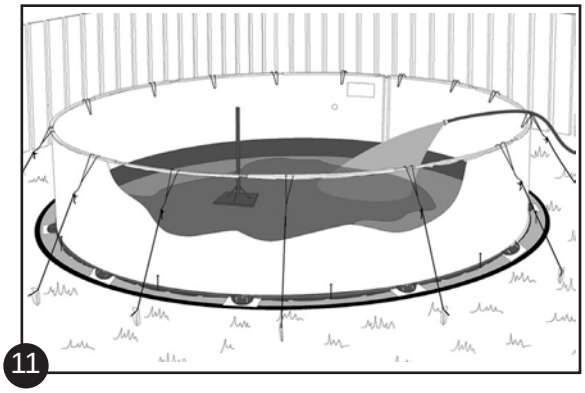
### 4. Make a Cove

a. If you are using sand, bank the sand against the wall to form a cove of 3” to 6” (7.5cm to 15cm) high and 8” to 12” (20cm to 30cm) wide at ground level. This will prevent the liner from creeping under the wall, and it will also protect the liner from any metal edges of the pool framework. **THIS STEP IS NOT OPTIONAL, IT MUST BE DONE.** .




10

b. Water the sand to compact it and use a trowel to spread it evenly.

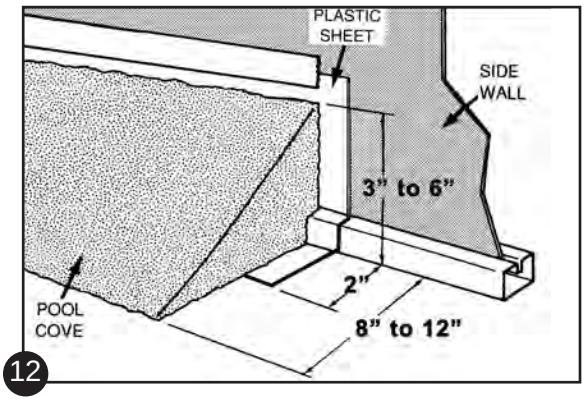


11

c. Since earth containing chemicals can cause discoloration or corrosion, it is suggested that you place polyethylene plastic sheeting under the cove around the perimeter of the wall, so no earth comes in contact with the metal. Since the presence of such chemicals is beyond the control of the manufacturer, such damage is not covered under warranty.

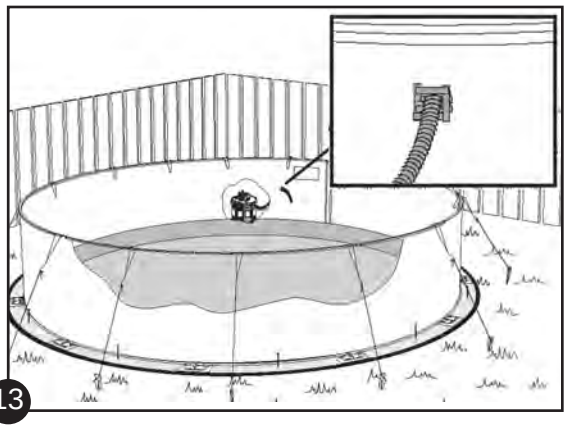
**Remember:**
The cove is an important part of the pool structure. Take your time to make a complete, full-size cove.

d. If you are using styrofoam cove pieces instead of sand, insert them in the bottom rail and refer to the installation instructions that are provided with them.




12

e. A vacuum cleaner can later be used to remove the air from between the liner and the wall. This technique enables you to remove folds in the liner. However the following precautions should be taken:

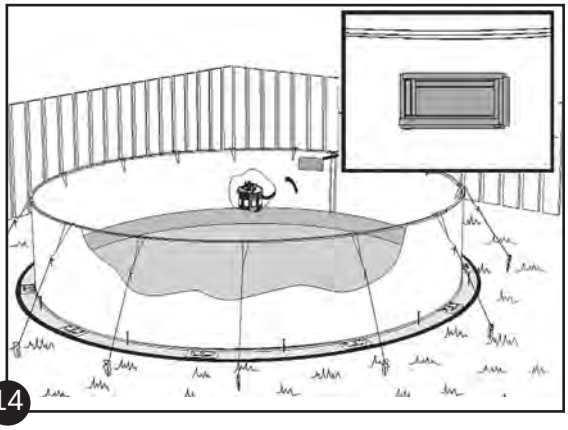

13

Do not use an industrial vacuum cleaner which could be too powerful.

Tape the end of the vacuum hose before inserting it into the wall so as not to damage the liner.

Insert the nozzle until it is about 4” (10cm) above the cove (insert through the water return outlet or the skimmer depending on the diameter of your hose). Make sure you will be able to remove the hose later on.

Tape the hose to the wall.


14

f. Close the skimmer opening with cardboard and adhesive tape so that the suction of air works better..

# B. Install your Pool Liner

**1. Set the liner in place**

a. Open the carton. **Do not** use anything sharp to open the carton.

b. Unpack and unfold the liner and spread it out in the sun to warm it up. Inspect all the seams and surfaces for holes.

**Hint:**
If possible, unfold the liner on the grass one to two hours before installation. **Be careful** not to leave the liner too long or you may damage the grass.

c. Spread out the liner, smooth side down. The curved seam should be centred on the cove at the base of the wall. The other seams will form straight lines across the bottom of the pool.

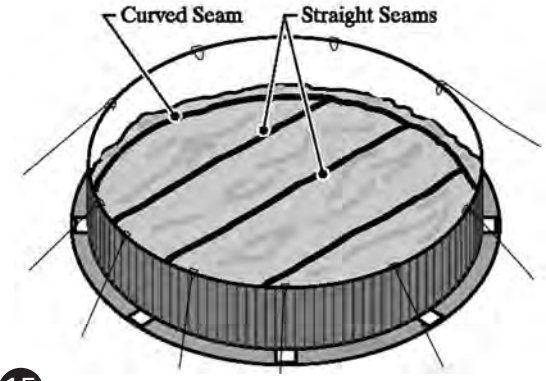
d. Smooth out all the wrinkles in the bottom.

**Hint:**
The liner is generally smaller than the support structure of the pool. It will stretch more easily when warm. It is important that the liner is installed on a warm sunny day.

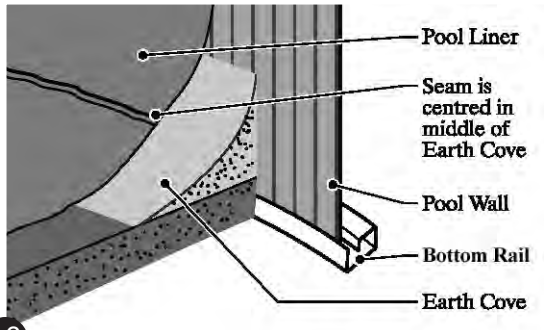
**2. Fasten the Liner in place (Overlap Liner only)**

This step applies only if you have an Overlap Liner. See the next page if you have a Beaded Liner or V-Bead Liner.

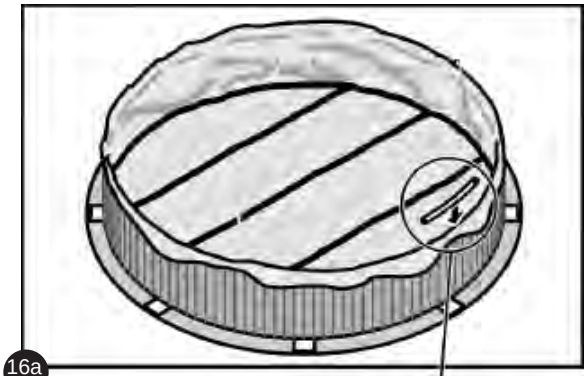
a. Starting at the liner wall seam, hang the liner over the wall making sure that the seam is straight up and down, perpendicular to the floor. (Remove stabilizers gradually as you fold the liner over the top of the wall. )This will assure you that the liner begins going over the wall straight.

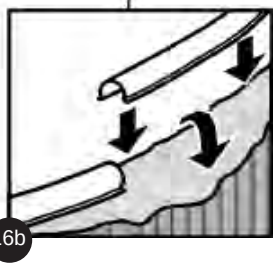


15



16

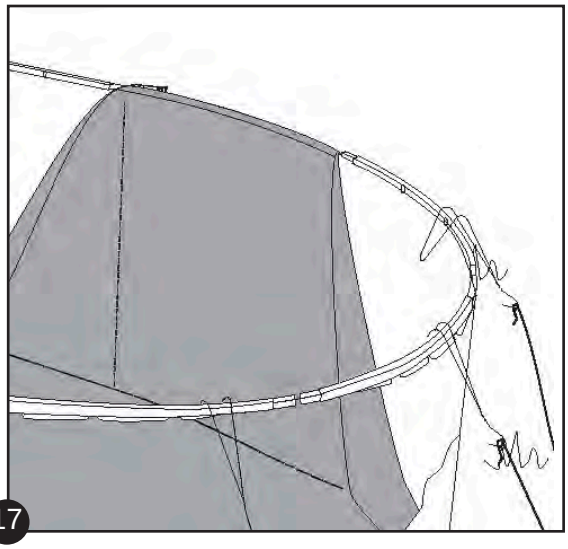

16a


16b

b. As you put the liner over the wall you can secure it by using the plastic coping strips to keep it in place. If you end up with excess material, continue around the pool, pulling excess liner evenly, and distribute over the wall until the excess is gone.

c. Fasten the liner to the top of the wall with plastic coping. Let the liner hang slack for now. Do not pull the liner tight.

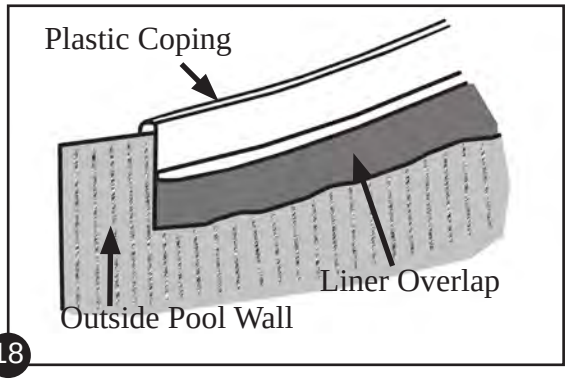
NOTE: Some liners may fit very tightly, it is better to install uprights, top plate and top ledge before going onto next step. See Section 4.


17

**Important:**
Do not trim off the excess liner. (If the liner ever needs to be removed, trimming the liner will make re-installation very difficult.) Instead, roll up any excess liner and tape it in place near the top of the pool wall.

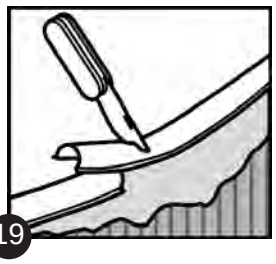
d. Turn the vacuum cleaner on and push the liner outward with your feet to iron out any wrinkles. Once finished, turn off vacuum cleaner.

e. Start filling the pool with water. As the pool fills, work out all the wrinkles and smooth the liner to the wall. Remove the plastic coping around the top edge of the wall one piece at a time and adjust the liner. Keep smoothing out the wrinkles.

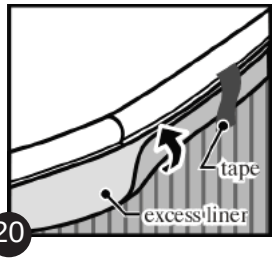


18

f. After all the wrinkles in the liner are removed, trim any extra length of plastic coping so there is no overlap.


19

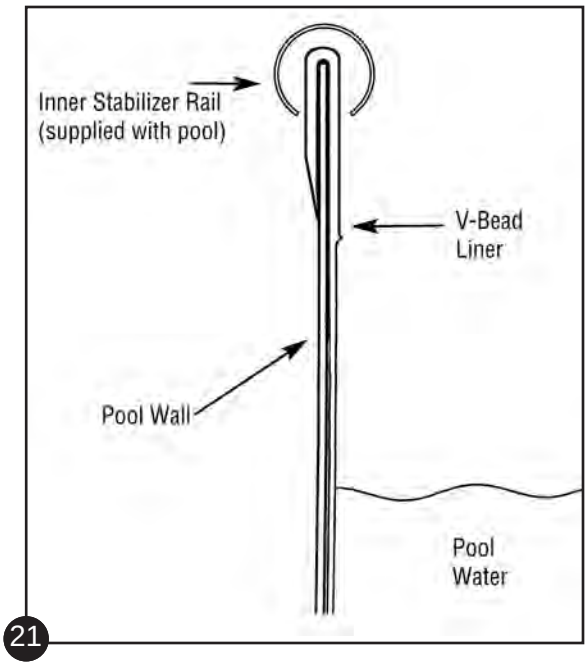
g. Roll up any excess liner hanging below the plastic coping and tape it in place near the top of the pool wall. Important: Do not trim off the excess liner.



20

### 3. Fasten the Liner in place (Hung/J or V-Bead Liner only)

a. With a V-Bead liner you will not use the plastic coping strips that are packed in the parts carton of your pool. You can discard those pieces, if they are included, as they only apply to pools with overlap liners.




**Remember:**
**Do not** trim off the excess liner. (If the liner ever needs to be removed, trimming the liner will make re-installation very difficult.) Instead, roll up any excess liner and tape it in place near the top of the pool wall.

b. The top of the wall of the liner has what is called a "V-Bead" welded onto it. Simply open up the bead with your fingers and hang it directly on top of the pool wall. When this is done properly, the only portion on the outside of the pool wall is approximately 1" of the V-Bead. No printed liner material is actually going over the top of the wall to the outside of the wall.

c. Make sure the bead is on evenly around the entire pool, and that the liner is hanging straight down from the top of the wall. The liner should not have creases in it because it is twisting around the pool. If the liner is twisting, it is because it is not sitting properly in the pool. Make necessary adjustments before proceeding.

NOTE: Some liners may fit very tightly, it is better to install uprights, top plate and top ledge before going onto next step. See Section 4.

**4. Fasten the liner place**

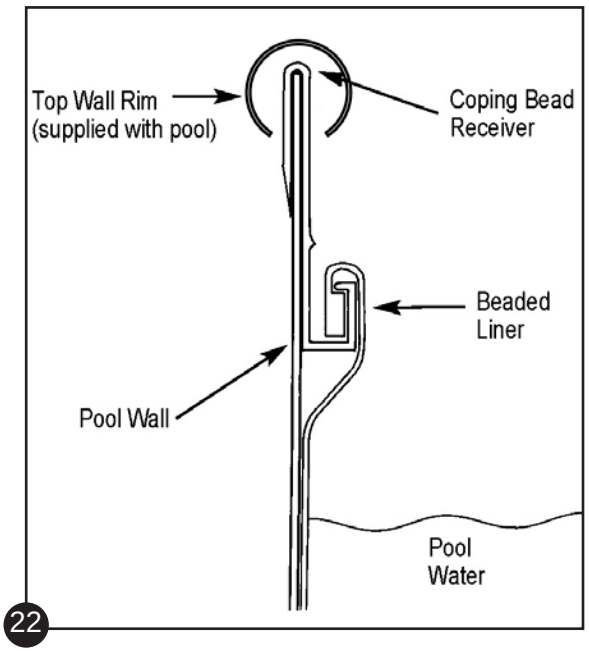
**(BEADLOCK/SNAPBEAD LINER ONLY)**

a. With a snap bead liner you will not use the plastic coping strips that are packed in the parts carton of many pools. You can discard those pieces (if they are included). Instead, you should have received a beaded liner track (referred to as a "coping bead receiver" in this image).

b. The beaded liner track should be installed onto the pool wall all of the way around the pool. These pieces should be as close together as possible. Leaving spaces between bead tracks can cause liner problems later on.

c. Once all of the beaded liner track is on the wall, you can snap the liner bead into the beaded liner track at four random points around the pool. After that is done, and you are satisfied with how the liner is situated within the pool, you can continue snapping the remainder of the liner into place around the pool.

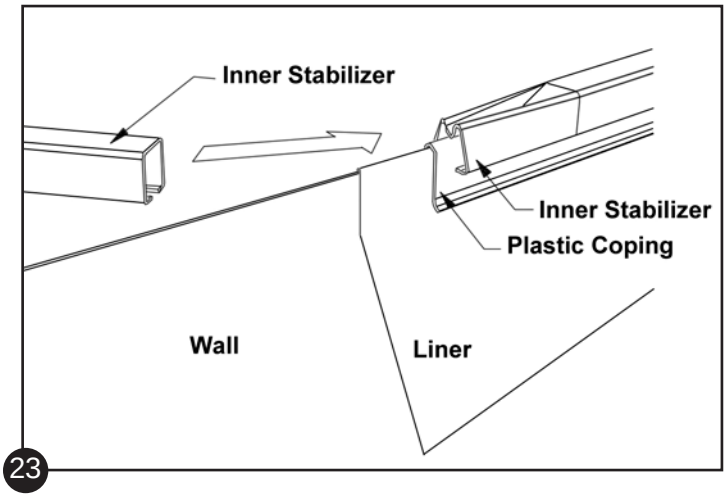
d. Go around the entire pool again making certain that the liner is securely snapped into the track. This is important to confirm so that the liner does not pull out while under the pressure of being filled with water.




NOTE: Some liners may fit very tightly, it is better to install uprights, top plate and ledge before going onto next step. See Section 4.

**5. Stabilizer Installation (SUNRAY ONLY)**

a. Once the liner is in place and the plastic coping or bead track is all set, install the stabilizers around the top edge of the pool. The stabilizers are reduced on one end so that they slide into each other about 1-3/4".



23

**5. Proceed to Section 4 -**
**Assembling the Pool Frame**

*No Diving or Jumping.*
*Observe all Safety Rules.*

SECTION 4

Pool Component Installation Manual

# Installing the Top Ledges & Uprights

## A. Attach your Verticals and Top Rails

**1. Continue filling your Pool**

a. Continue filling your pool with water. Do not put in more than 12" (30 cm) of water until the top rails and vertical columns are all attached.

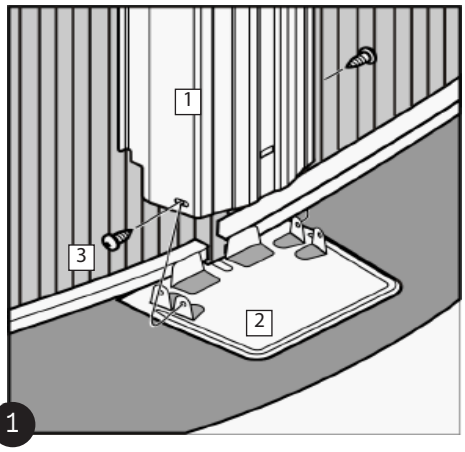
b. Keep working on the top rails and vertical columns while the pool fills.

- **See the drawing on the next page for an overview of all the parts used to install the verticals, top rails and top connectors.**

**2. Install the Vertical Columns**

a. Line up the bottom of one vertical column (key 1) with the two small tabs on one base plate (key 2). The tabs must be on the **inside** of the vertical column. The three holes on the front of the vertical must be nearest the top.

b. Line up the screw holes and fasten with one self-tapping screw on each side (key 3).

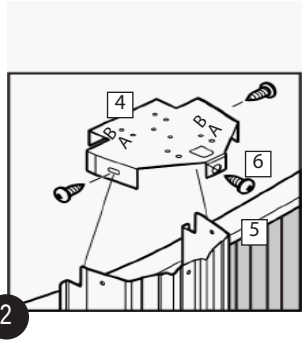


1

c. Hook a top plate (key 4) over the top edge of the (key 5). Place the top plate down over the top of the vertical column with the tabs on the **outside** of the column. Make sure the vertical column is straight up and down.

d. Line up the screw holes and fasten with one self-tapping screw on each side and one on the front (key 6).

e. Repeat the last four steps for each of the vertical columns around the pool wall.

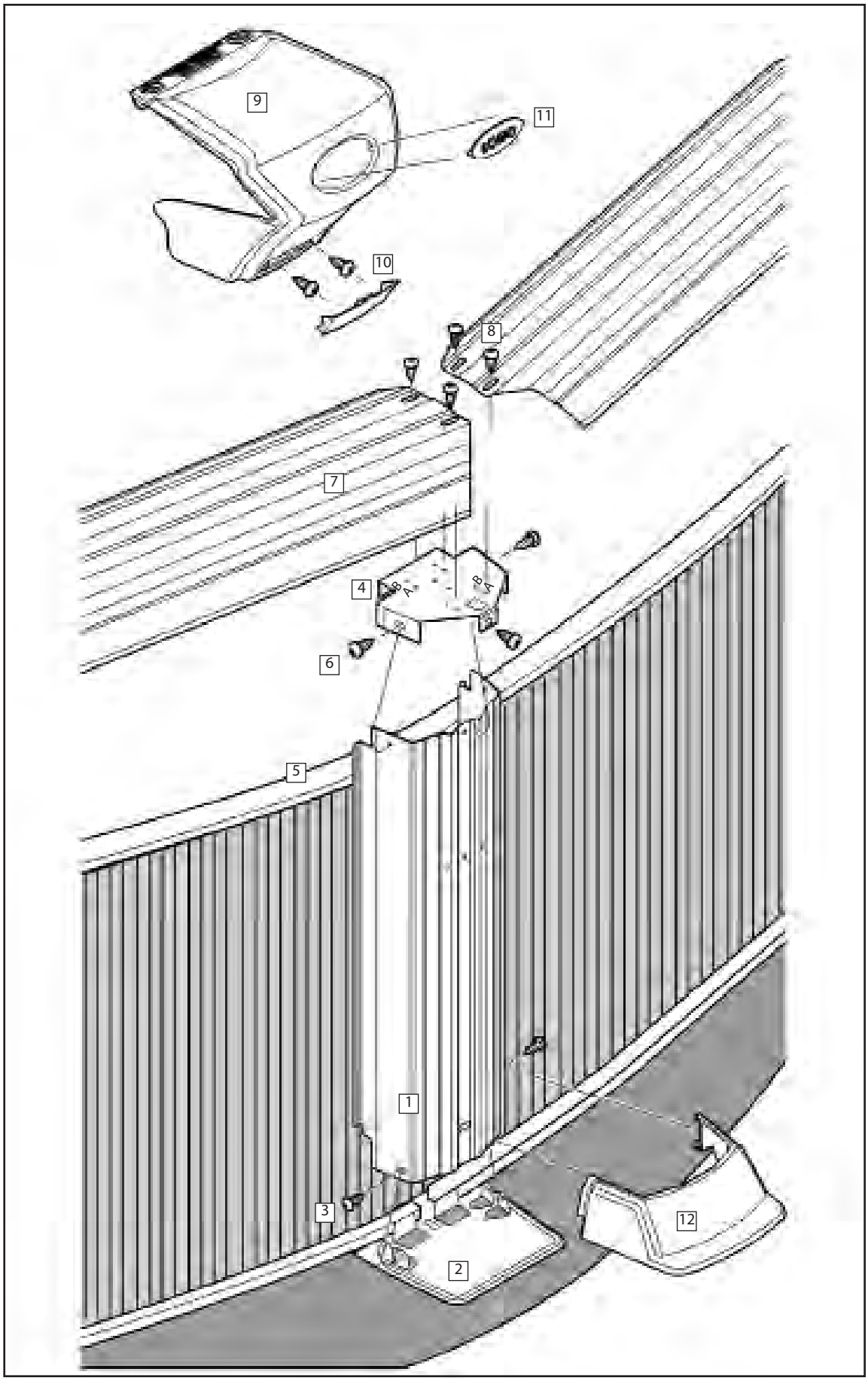


2

**Hint:**
Use the ridges in the pool wall to make sure the vertical column is straight up and down.

c. Prior to installing the connector, knock out the holes shown in diagram 10.

Overview of Vertical, Top Rail and Top Connector Assembly



### 3. Install the Top Rails-Round Section

a. Place a top rail (key 7) with one end on top of the top plate. The side of the top rail facing the centre of the pool should be close to the pool liner and pool wall. The side of the top rail facing the outside of the pool will form a large overhang.

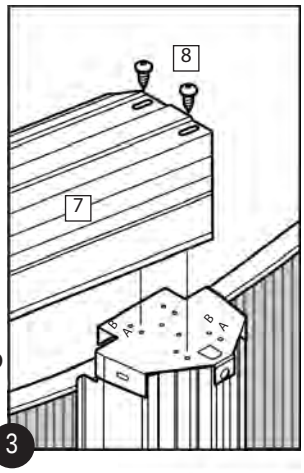
b. Line up the holes as shown. Fasten through the two oval holes into the holes marked **'A'** in the top plate below with two self-tapping screws (key 8). **Do not** tighten the screws yet. Leave the screws slightly loose until all the top rails are in place.

c. Repeat the last two steps for the other end of the top rail.

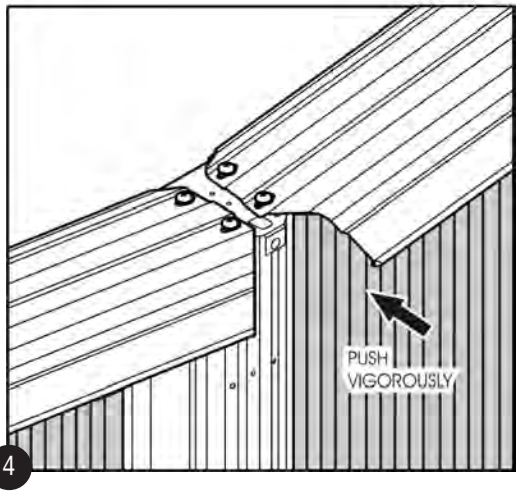
d. Repeat steps (a) to (c) to install the rest of the top rails around the top of the pool wall.

e. Make the pool settle into a perfect circle by pushing the top of the pool wall **vigorously** inward at each vertical (this will help make the bottom of the pool wall shift into a perfect circle).

f. Adjust all the top rails to line up evenly with each other and tighten all the screws.



3

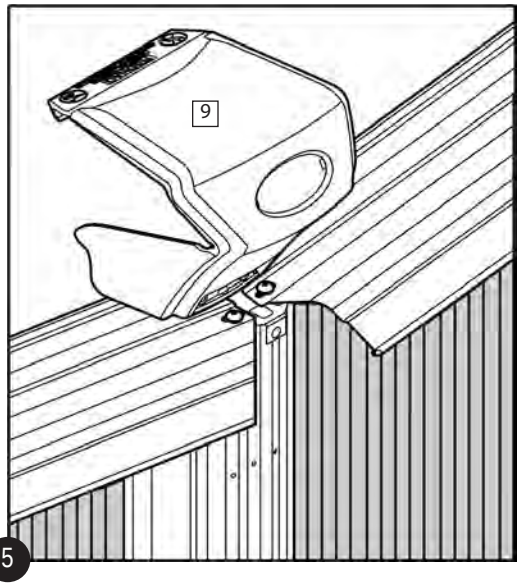


4

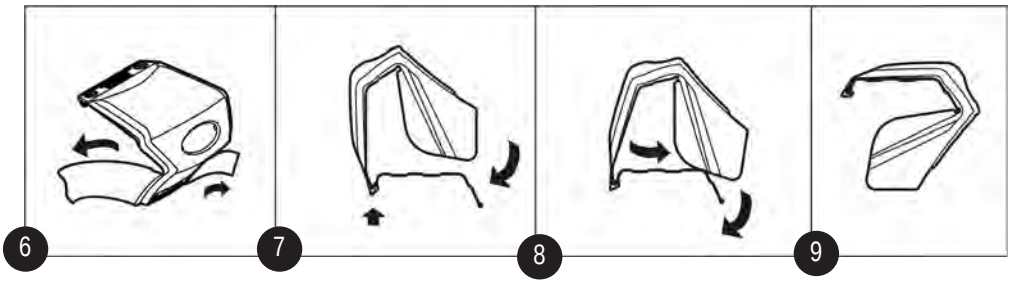
**4. Install the Top Connectors**

a. Line up the connector (key 9) above the ends of two top rails.

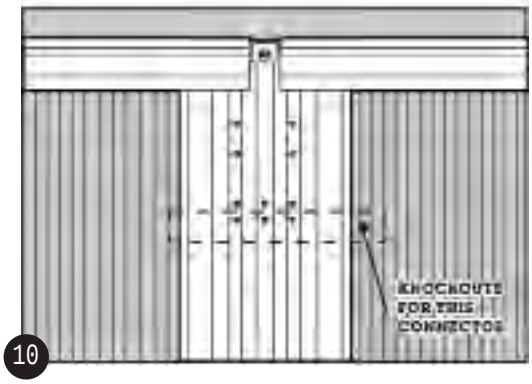
b. Hook the small tabs protruding from the underside of the connector onto the inside edges of the top rails and hold them firmly in place. Pull the other end of the connector down into place under the top rails by **gently** stretching it across and down, as shown in diagrams 13 to 16.



5


6 7 8 9

c. Prior to installing the connector, knock out the holes shown in diagram 17



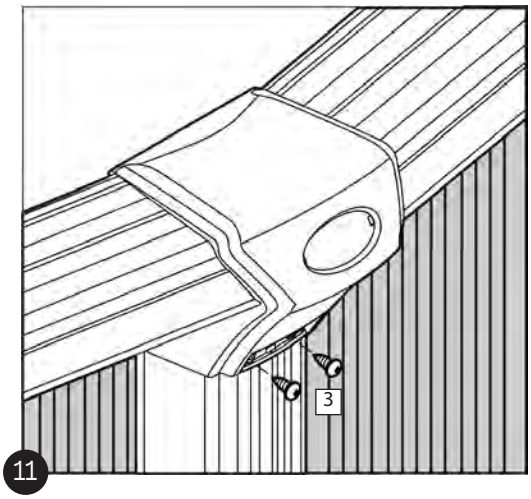
10

**Caution:**
Be sure to spread the sides of the lower half connector before stretching it across the top rails or the connector may be damaged.

d. Push the lower part of the connector in towards the vertical column and line up the two screw holes in the lower portion of the connector with the two holes in the vertical column. Fasten the connector in place with two self-tapping screws (key 3). **Important:** Tighten the screws **only** until a snug fit is obtained. **Do not over-tighten.**

**e. For oval pools only:** At the transition points only, where the end rail meets the side rail, make sure the side rail lines up properly with the end rail. If it doesn't line up, the connector will appear crooked from above (see diagram 12). If the connector isn't centered between the rails, temporarily remove the connector and loosen the screws on the side rail. Shift the side rail in or out from the center of the pool until the connector can be properly centered between the rails (see diagram 13).

f. Install either a connector clip or hook (key 10) in the following manner: Insert the large center tab & two smaller tabs located at the top of each into the openings located at the top of the clip housing in the connector. Rotate the bottom of the clip or hook into the housing and press firmly at the bottom of the clip or hook until a snap is heard (see diagrams 14 to 15). If the connector clip or hook does not snap in, slightly loosen the screws.

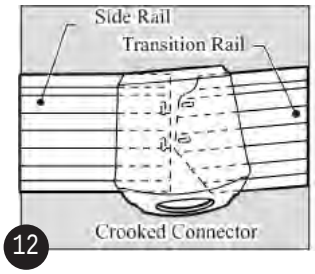


11

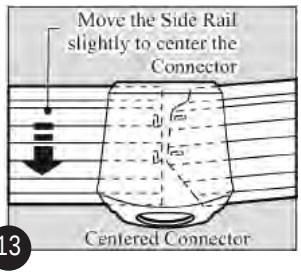
**Note:**
If necessary, the plug covering the screws can be removed by prying it out with a knife. Be careful not to damage the edges of the plug.

g. First insert the tab on the left of the logo insert (key 11) into the opening on the top of the connector designed for the logo insert. Bend the insert slightly and insert the other tab into the opening on the other side of the connector. Press down on the insert to ensure a proper fit.

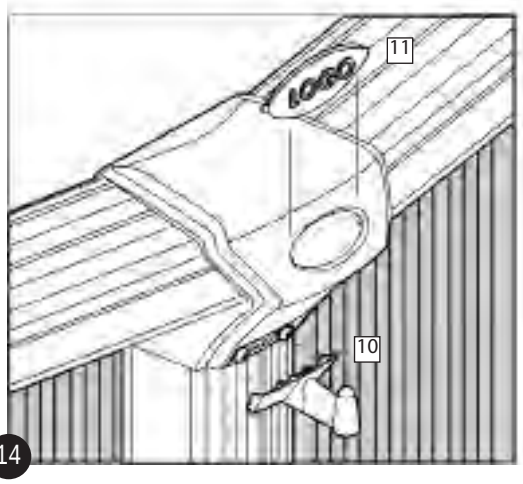
h. Repeat the last seven steps for the rest of the top connectors.



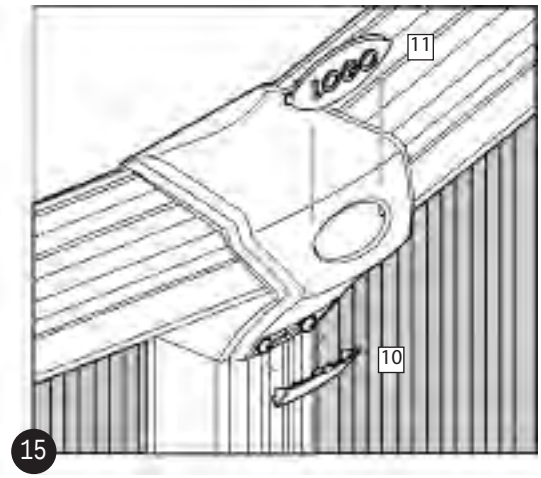
12



13



14



15

**Important:**
The pool wall may bulge and shift a little while filling with water. This is normal.

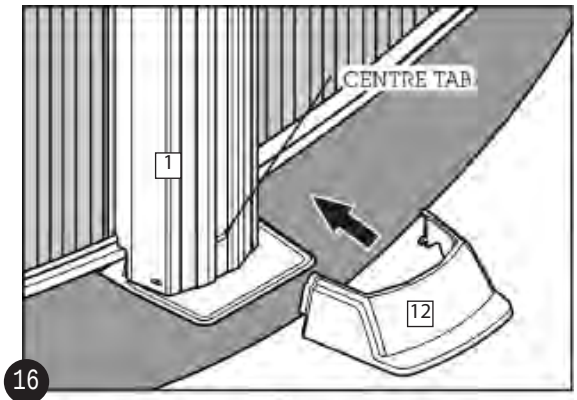
**Note:**
For Footcover installation on a vertical over a buttress, it may be necessary to modify the front clip of the Footcover. If the buttress upright behind the vertical blocks the front clip from being inserted, file it down until insertion is possible.

**5. Install the Foot Cover (Optional)**

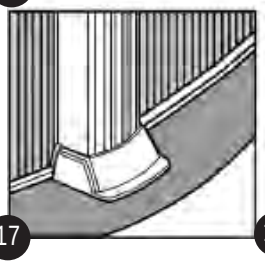
a. If the pool has been supplied with footcovers, the centre tab on the vertical will need to be knocked out prior to installation.

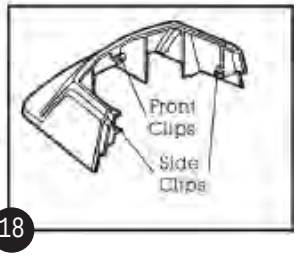
b. Place the foot cover on top of the base plate (key 12). Slide the foot cover towards the pool wall until the side clips and front clip snap into the vertical column (key 1).
**Important:** Ensure that the side clips snap into the cutouts for the bottom rails.

c. Repeat the last step for each of the vertical columns around the pool wall.



16


17



18

# B. Fill your Pool with Water

**1. Finish filling the pool**

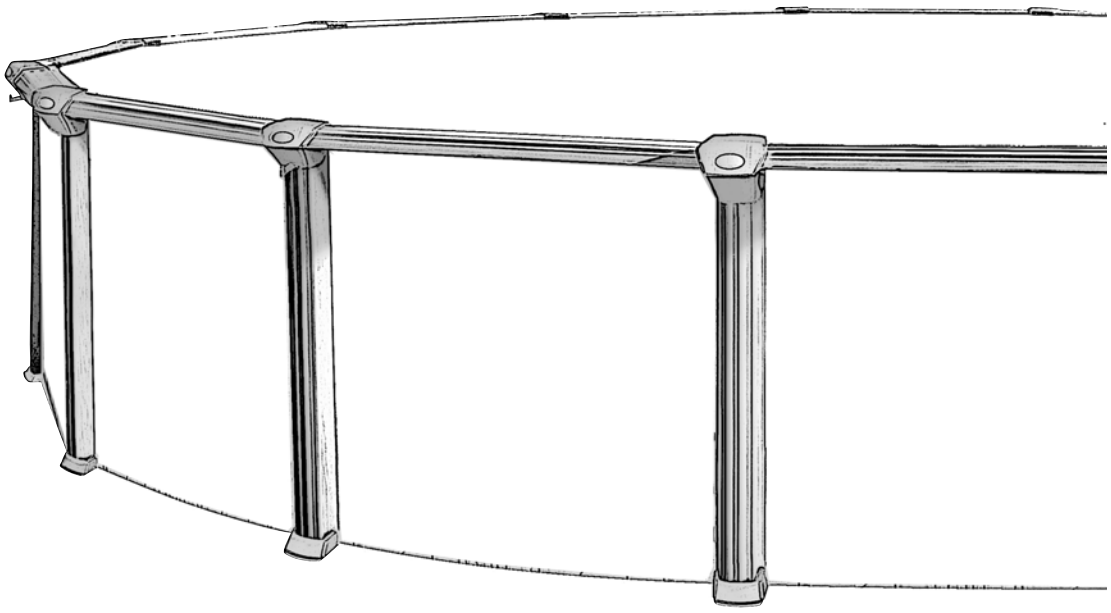
a. Turn off the vacuum and carefully remove it from the pool.

b. Fill the pool with water to 2” (5cm) below the lowest opening. Make sure you remove any creases from the liner in the bottom of the pool before the water level gets too high.

**Caution:**
Before making any openings in the liner, fill the pool with 60cm (24”) of water to stretch the liner fully. When filling your pool, begin with a garden hose until there is about 30cm (12”) of water in the pool. This will allow the liner to stretch gradually. You can then use a heavier flow to finish filling it up.

c. While the pool is filling, remove the nails that were holding the bottom rails in place.

d. Your pool is now installed. You must now install the filter and pump, the skimmer and water return inlet.Please follow the installation instructions that come with these products.



**Important:**
Make sure that your pool is round, do not assume that by filling up the pool that this will help the pool to place itself into a perfect round circle. Ensure that it is round before filling up the pool with water.

## IMPORTANT SAFETY INFORMATION:

Please refer to the safety page at the beginning of this instruction manual. You must follow the rules and information regarding placement of safety stickers on your pool.

*No Diving or Jumping.* *Observe all Safety Rules.*

*No Diving or Jumping.* *Observe all Safety Rules.*